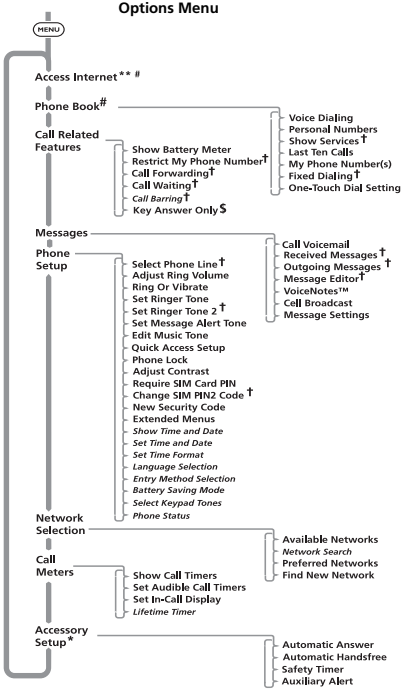
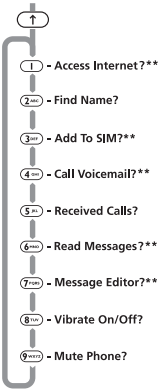
Options Menu



Quick Access Menu ‡



Menu Navigation

Items shown in ***Italics*** are available only when **Extended Menus** are switched on.

\# If your service provider has added their own menu, the Access Internet menu will not be the first item in the Options menu

† Availability depends on the type and settings of the SIM card and/or your subscription to these services.

* The **Accessory Setup** option is available only when a car kit or headset accessory are fitted.

‡ The features and the positions of the features in the Quick Access menu can be changed.

** Network and subscription dependent feature. Not available in all areas.

Quick Reference

Quick Reference

Special Keys

⊙	Press to turn phone on and off.
OK	Press to accept call, setting, option,...
C	Press to reject call, setting, option,...
↑	Press to enter the quick access features.
MENU	Press to access the options or phone book menus.
◂ * ▸ #	Press to select entries and menu options.
M+	Press to add a phone book entry.
✉	Press to call Voicemail.

Making a Call

Enter **Phone No.** OK.

Receiving a Call

Open the phone, or press **OK.**

Ending a Call

Press **OK**, **C** or close the phone.

Making an Emergency Call

Enter 9 WXYZ 1 1 **OK**. The call will be directed to a central emergency operator.

Quick Access Features

Press ↑ followed by the appropriate key, or press ↑, scroll to the feature and press **OK** to select.

*Recording a VoiceNote**

Press the Start/Stop Record button (top of your phone). Press the button again to stop recording.

*Playing a VoiceNote**

Select Messages, VoiceNote, Play VoiceNotes, or use the quick access item.

Redialing the Last Number Called

1 Press **OK** to display the last number dialed.

2 Press **OK** to call the number.

One-Touch Dialing

Press and hold the appropriate digit key 1 to 9 WXYZ.

Storing Numbers in the Phone Book

1 Press M+ to access the Phone Book.

2 Press **OK** to select phone memory, or ◂ * **OK** to select SIM card memory.

3 Enter **Phone No.** **OK**, then **Name** **OK**, then **Location** **OK**.

Dialing Phone Book Numbers

Enter **Location** # **OK.**

Stopping a Call Alert

Press either of the volume buttons when the phone is ringing or vibrating. This will stop the alert but not answer the call.

Smart Button Operation

Press the smart button, located on the side of the phone, to access an alphabetic list of your Phone Book entries.

---

* *Use of the recording function is subject to varying State and Federal laws regarding privacy of phone conversations.*

Introduction

Welcome

Congratulations on your purchase of a phone from Motorola, the world leader in wireless communications. The phones are packed with features that put you in control and give you unrivaled power, while remaining discrete.

Control

- Customizable Quick Access Menu (↑) - *Place nine of your most frequently used features in your own personal menu so that they can be accessed with just two key presses. Icons make each feature easy to identify.*
- VoiceNotes feature - *Allows you to record a number of personal voice messages or to record part of a phone call - useful when you haven't got pen and paper handy for taking down directions or a message.**
- Voice Control - *Use voice commands to call up Phone Book entries and to select Quick Access options.*

Discretion

- VibraCall™ Alert - *In locations where you don't want your phone to ring, or which are too noisy to hear your phone ring, your phone can vibrate to alert you of a call.*
- Wearable Holster - *Wear your phone in a stylish holster on your belt. It is small and light enough to keep with you almost anywhere.**
- Stop Call Alert - *Press either of the volume buttons when the phone is ringing or vibrating. This will stop the alert but not answer the call.*

** The holster has been designed for your convenience and is not meant to secure your phone under all circumstances.*

Power

- Superb battery performance - *Each phone is capable of several hours conversation or several days standby, but is still small and light.*

! *Before you use your phone, please see the 'Your Battery' section for important information on charging a new battery.*

** Use of the recording function is subject to varying State and Federal laws regarding privacy of phone conversations.*

Personality™

This cellular telephone incorporates the ***Personality***™ feature. Unique to ***Motorola***, the ***Personality***™ feature removes the complexity of cellular communications by guiding you through the features and presenting you with simple choices every step of the way. The ***Personality***™ feature also allows you to personalize the way you use your phone - for example, different ringer tones, a phone book and network selection preferences - all presented with clarity and simplicity. In this manual, each of the ***Personality***™ features is identified with an OK symbol to indicate that it is customizable to meet your requirements.

Understanding this Manual

Many of your phone options are accessed by a simple menu system. A full description of the menus and how to move around them is covered in the next section, ***Menu Navigation***. When the manual describes the use of each menu item, it will be assumed that you are familiar with the menu system.

Key Presses

Key presses are represented in this manual using symbols so that you may locate and use the required sequence quickly. A sequence of key presses may be shown as follows:

MENU OK C

This means that you should press the MENU key followed by the OK key and then the C key, in sequence, not simultaneously.

Entering Information

When you are requested to enter information, such as the number of the phone you wish to call, this is represented in **bold** type. For example:

Phone No. - enter the required telephone number.

PIN Code - enter your Personal Identification Number.

Unlock Code - enter your unlock code.

Location - enter the Phone Book location number.

Prompts and Messages

Your phone responds to key presses by displaying either easy to understand prompts that guide you to the next action, or simple messages confirming that your action is complete. Prompts and messages are represented in this manual in LCD style, for example:

`Enter PIN` or `Completed`.

Other Symbols

You will find the following symbols used throughout this manual:

A Note contains additional information which is relevant to the feature/item.

! A Caution contains important additional information which is relevant to the efficient and/or safe usage of your phone.

OK This symbol indicates that the feature is a ***Personality***™ feature that can be customized to meet your requirements.

This symbol indicates a short key sequence for the feature.

Menu Navigation

A large number of your phone's options are accessed by using menus which use a common approach for selection, change and cancellation.

Please read this section carefully before attempting to access a menu option. When you understand the common approach to menu navigation and how the menus are shown on the page, you will be able to access and change options with ease.

Entering the Menus

Two different keys are used to access the menus:

(MENU) enters the Options menu while in standby mode; enters the In-call menu during a call.

(↑) enters the Quick Access menu.

Once entered, the menus use the (MENU), (◂✱), (#▸), (OK) and (C) keys in a common manner to access, select and change individual options.

Leaving the Menus

To leave any of the menus, you can either press and hold the (C) key or repeatedly press the (C) key. Both of these actions will return your phone to the standby mode.

Alternatively, a quicker way to leave the menus is to press (↑)(C).

Menus and Sub-menus

A menu is a simple list of options. Some of these options provide access to a further list of options called a sub-menu. When navigating through the menus you may find it is helpful to think in terms of menu levels - the 'parent' menu being on one level and its sub-menus being on a lower level.

Moving To and Selecting a Menu Option

To move from one option to another on the same level, use the scroll keys: the (#▸) key scrolls forward and the (◂✱) key scrolls backward. When you find the option you want, press the (OK) key to select it.

Depending on the option you select, one of three things will happen:

- either a brief message will be displayed confirming an action, for example Completed.
- or a prompt will be displayed requesting you to enter information, for example Enter PIN or Enter Name.
- or the first option of a sub-menu will be displayed. You can select this option using the (OK) key or browse through the other options using the scroll keys.

To leave an option or sub-menu, press the (C) key. This will take you back to the parent menu item.

Menu Options with Security Codes

Some options are protected from misuse by requiring you to enter one of the security codes. To use these options, you must enter the requested code before proceeding.

Menu Navigation - A Working Example

The following steps will take you through how to switch the Extended Menus option on:

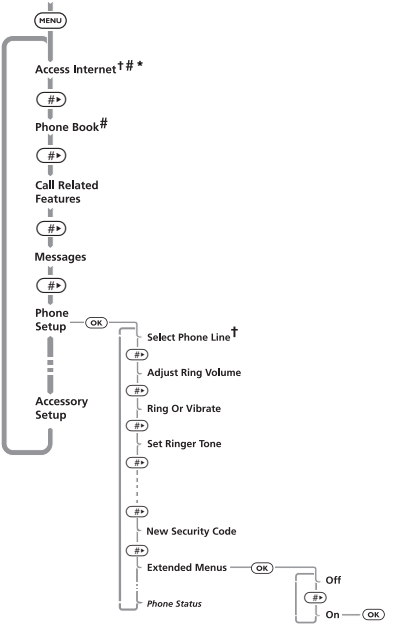
1 When the phone is in the standby mode, press the (MENU) key. This will access the Options menu and `Access Internet` will be displayed.*

2 Press the (◂✱) or (#▸) key repeatedly to go to the `Phone Setup` menu item.

3 Press the (OK) key to select the sub-menu.

4 Press the (◂✱) or (#▸) key repeatedly until the `Extended Menus` sub-menu item is shown in the display.

5 Press the (OK) key to select this item. You can now select between `On` or `Off`, the current setting will be shown with a ✓ character. If the ✓ character is next to `Off`, press (◂✱) or (#▸) and then (OK) to switch on the Extended Menus. If the ✓ character is next to `On`, press (C) to leave the setting as it is.



* *Network and subscription dependent feature. Not available in all areas.*

† *Availability depends on the type and settings of the SIM card, and/or your subscription to these features.*

\# *If your service provider has added their own menu, Access Internet will not be the first item in the Options menu.*

OK *Short, Extended and Personalized Menus*

With the ***Personality***™ feature, you can personalize the menus by choosing which features you want readily available. The features that are less frequently used can be stored out of sight.

The menu diagrams in this manual show the condition of the menu settings when you first receive your phone. Some features are in the Short Menu and are shown in **bold** type. Other features are in the Extended Menu and appear in ***italics***.

You can change which features appear in the Short and Extended Menus, and therefore personalize the menus, to suit your requirements.

If you want to move a feature from the Short Menu to the Extended Menu (or from the Extended Menu to the Short Menu), go to the feature and then hold down the (OK) key until a prompt appears offering the following choices:

- Add the current feature to the Short Menu/Extended Menu.
- Leave the current feature in the Short/Extended Menu.

Select the option you want by pressing the (OK) key.

The settings for some menu features cannot be changed.

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Provides an explanation of the Options Menu and how to use it 41

Using the Quick Access Menu
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What To Do If...
Helps you to solve any problems that may occur 91

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The Manufacturer reserves the right to make changes in technical and product specifications without prior notice.

Wireless Phone Safety Tips

"Safety is your most important call!"

Your Motorola wireless telephone gives you the powerful ability to communicate by voice—almost anywhere, anytime, wherever wireless phone service is available and safe conditions allow. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. If you find it necessary to use your wireless phone while behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your Motorola wireless phone and its features such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an additional layer of convenience to your wireless phone with one of the many Motorola Original hands-free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice, and even heavy traffic can be hazardous.
5. If you receive an incoming call at an inconvenient time do not take notes or look up phone numbers while driving. Jotting down a "to do" list or going through your address book takes attention away from your primary responsibility—driving safely.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations which have the potential to divert your attention away from the road.
8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.*
9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.*
10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.*

Check the laws and regulations on the use of wireless telephones and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas.

For more information, please call 1-888-901-SAFE or visit the CTIA website at www.wow-com.com™.

**Wherever wireless phone service is available.*

Hand-Held Portable PCS Telephone

IMPORTANT

Read this information before using your wireless handheld phone.

Exposure To Radio Frequency Signals

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

- American National Standards Institute (ANSI) IEEE. C95. 1-1992
- National Council on Radiation Protection and Measurement (NCRP). Report 86
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996
- Ministry of Health (Canada), Safety Code 6

Those standards were based on comprehensive and periodic evaluations of relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

The design of your phone complies with the FCC guidelines (and those standards). For additional information concerning exposure to radio frequency signals, see the statement by the FDA at the end of this user guide.

To maintain compliance with FCC RF exposure guidelines, if you wear a handset on your body, use the Motorola-supplied or approved carrying case, holster, or other body-worn accessory. If you do not use a body-worn accessory, ensure the antenna is at least one inch (2.5 centimeters) from your body when transmitting. Use of non-Motorola accessories may violate FCC RF exposure guidelines.

Antenna Care

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications or attachments could damage the phone, and may violate FCC regulations.

Phone Operation

NORMAL OPERATION

Hold the phone as you would any other telephone, with the antenna pointed up and over your shoulder.

TIPS ON EFFICIENT OPERATION

Observe the following guidelines to operate your phone most efficiently.

- Extend your antenna fully, if applicable.
- Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Batteries

Caution: All batteries can cause property damage, injury, or burns if a conductive material, such as jewelry, keys or beaded chains, touches exposed terminals. The material may complete an electrical circuit and become quite hot. To protect against such unwanted current drain, exercise care in handling any charged battery, particularly when placing it inside your pocket, purse or other container with metal objects. When the battery is detached from the phone, your batteries are packed with a protective battery cover; please use this cover for storing your batteries when not in use.

Driving

Check the laws and regulations on the use of wireless telephones in the areas where you drive. Always obey them. Observe the following guidelines when using your phone while driving.

- Give full attention to driving--driving safely is your first responsibility.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

Electronic Devices

Most modern electronic equipment is shielded from RF signals. However, certain equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six inches (6") be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned **ON**;
- should not carry the phone in a breast pocket;
- should use the ear opposite the pacemaker to minimize the potential for interference;
- should turn the phone OFF immediately if you have any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Turn your phone OFF in any facility where posted notices so require.

Aircraft

Switch OFF your phone before boarding an aircraft.

Airline regulations prohibit using your phone while in the air. Check and comply with the policy of your airline regarding the use of your phone while the aircraft is on the ground.

Blasting Areas

To avoid interfering with blasting operations, turn your phone **OFF** when in a "blasting area" or in areas posted: "Turn off two-way radio". Obey all signs and instructions.

Potentially Explosive Atmospheres

Turn your phone OFF, do not remove your battery when you are in any area with a potentially explosive atmosphere, and obey all signs and instructions. Sparks from your battery in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fueling areas such as gasoline stations; below deck on boats; fuel or chemical transfer or storage facilities; areas where fuel odors are present (for example, if a gas/propane leak occurs in a car or home); areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

For Vehicles Equipped with an Air Bag

An air bag inflates with great force. DO NOT place objects, including both installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

About Your Phone, Battery and SIM Card

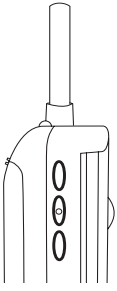
Special Keys

⊙	Turns the phone on and off.
OK	Accept call, setting, option.
C	Reject call, setting, option.
↑	Enter the quick access menu.
MENU	Press to access the Options and Phone Book menus.
* #▸	Press to scroll to entries and menu options.
M+	Press to add a phone book entry.
✉	Press to call Voicemail.

The Smart Button

The smart button (◉) is on the left-hand side of your phone in between the two volume keys. Press it to quickly access all your Phone Book entries, and then either scroll through the entries using the volume buttons or press one of the alphanumeric keys to search for a specific name - for example, press 7 PQRS to search for the name ***Pam***, or press 7 PQRS four times to search for the name ***Sam***.

☞ *If a Phone Book entry does not have a name, it will not be displayed.*



If you are using the optional headset, you can also use the smart button to make, answer and end calls as follows:

- To answer a call, press ◉ for 1.5 seconds.
- To end a call, press ◉ for 1.5 seconds and then quickly press ◉ again.
- To make a call, enter or recall a number and then press and hold ◉ for 1.5 seconds.

Volume Buttons

The Volume buttons are on the left-hand side of your phone, above and below the smart button. The buttons are used for adjusting the keypad, earpiece and ringer volume. A volume meter will display the current volume setting. The meter will disappear after a short time, or if you press OK or C.

- To adjust the keypad and earpiece volume, press the buttons with no other features selected.
- To adjust the ringer volume, press ↑ and then use the buttons to set the required volume.

The volume buttons can also be used to scroll though the Phone Book entries after pressing the smart button.

☞ *If you receive a call and you do not want to answer it immediately, you can press either of the volume buttons to stop the phone from ringing or vibrating. This will not answer the call.*

The Start/Stop Record Button

The Start/Stop Record button (◉) is on the top of the phone, next to the antenna. Press it to start and stop recording VoiceNotes™. Refer to ***Using VoiceNotes*** for more information.

The Display

The display on your phone can show alphanumeric characters as well as useful information symbols.The various elements of the display are as follows:

ABC123	Characters are used to display messages and telephone numbers.
	Signal Strength. The more segments displayed in the bar graph, the better the signal strength.
	In Use. Displayed when a call is in progress.
	Roam. Displayed when you are registered on a system other than your home system.
	Home Zone. Availability depends on your service provider.
	Short Message Service. Displayed when the phone has received a message. The symbol will flash when your message storage area is full.
	Voicemail Waiting Indicator. Displayed when you have a voice message waiting. The availability of this feature depends on your service provider.
	Ringer On. Displayed when the call ringer is selected. If you select the No Ring or Vibrate or the Vibrate Only options this symbol will not be displayed.
	Battery Charge Indicator. The more segments displayed, the greater the battery charge.
...	Icons are displayed when you are in the quick access menu.
✓	Indicates that a menu item is currently selected.
12:00	**Real Time Clock.** The real time clock can display the time in either a 12-hour or 24-hour format.

Low Temperature Use

The liquid crystal display used in your phone will behave differently at extremely low temperatures. You may notice that the display responds slowly to key presses; this is to be expected and does not affect the phone operation in any way.

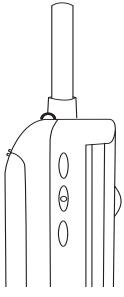
Looking After Your Phone

- Never leave your phone or battery in extreme temperatures (over 60˚C (140˚F)), for example, behind glass in very hot, direct sunlight.
- To clean your phone, use an antistatic cloth. Do **not** use an electrostatically charged cloth.

The Status Indicator

The status indicator on the top of the phone provides you with the following information:

Incoming Call	Alternate Red/Green
In Service	Flashing Green
No Service	Flashing Red
Roaming	Flashing Yellow



Your Battery

Charging a New Battery

To ensure maximum battery performance, a new battery (or battery that has not been used for several months) should be charged for about 3-4 hours before use.

After this initial charge, you can recharge your battery at your convenience, using the phone's rapid travel charger.

☞*See the chart on page 18 for charging times.*

Important Battery Information

Only Motorola Original Accessory batteries can be charged in the phone or the optional desktop charger. This is to protect you and your phone from the risks of incorrect charging.

To ensure that you enjoy maximum battery life and use your battery to its fullest capacity:

- The battery should be at or near room temperature when charging.

Battery Performance and Maintenance

- Best battery performance will be achieved when you regularly charge and discharge batteries as instructed in this manual.
- Battery performance is greatly affected by network coverage.
- If left unused, a fully charged battery will discharge itself in approximately one month.
- When not in use, store your battery uncharged in a cool, dark and dry place.
- Expected life of a battery is about 300-500 charge/discharge cycles.

Low Battery Warning

When the battery level is low and only a few minutes of talk time remain, a warning signal (two double beeps) will sound, the border of the battery symbol will begin to flash, and `Low Battery` will be displayed.

When the battery is completely discharged, your phone will turn off.

Battery Care and Storage

To prolong the life of your batteries, avoid exposing them to temperatures below -10˚C (14˚F) or above 45˚C (113˚F). Never leave your phone or batteries in extreme temperatures (over 60˚C (140˚F)), for example, behind glass in very hot, direct sunlight.

Battery Disposal

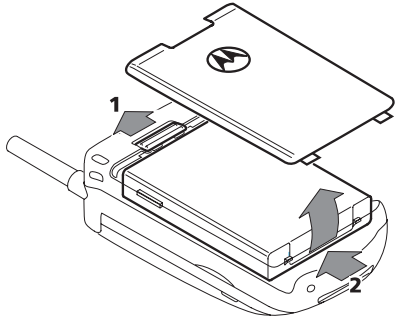
To dispose of batteries, check with your local recycling center for a battery recycler near you. Never immerse batteries in water. Never dispose of batteries in fire.

Removing Your Battery

! Switch off your phone before removing the battery. Failure to do so may damage your phone memory.

1 Press the release catch on the battery compartment and lift off the cover.

2 Push the battery toward the top of the phone and lift the battery out from the bottom end.



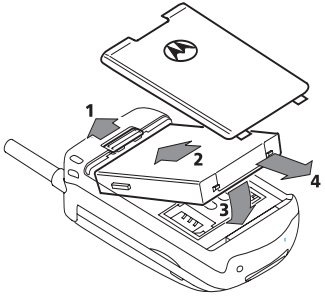
Fitting Your Battery

1 Remove the battery compartment cover.

2 Align the connections on the battery with the connections on the phone.

3 Press the battery toward the connections and push it downward.

4 Pull battery back until it clicks into place. Replace the cover.



Charging Your Battery Using the Travel Charger

The travel charger can power the phone and charge a fitted battery.

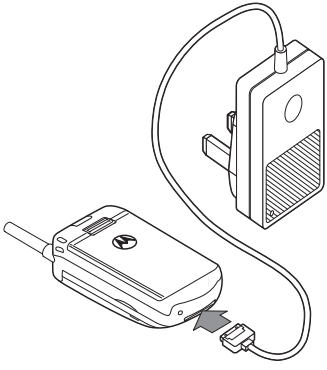
To charge your battery:

1 Fit a battery onto your phone.

2 Attach the correct adapter plug to the travel charger.

3 Connect the travel charger to the phone.

☞*The connector is keyed and can only be inserted one way.*



4 Insert the travel charger plug into a 110V AC electrical outlet.

A beep-tone is heard and the battery icon flashes when charging begins.

☞*Your phone can be either on or off during charging.*

The state of charging is monitored and displayed by your phone. See 'Battery Meter Indicators' later in this section for details.

Desktop Charging Your Battery

☞ *The Desktop Charger is an optional accessory that allows you to charge both the battery fitted in your phone and a spare battery at the same time.*

☞ *It is normal for batteries to become warm during charging.*

1 Connect the travel charger to the desktop charger socket. (The connector is keyed and can only be inserted one way.)

2 Plug the travel charger into a 110V AC electrical outlet.

3 Insert your phone into the desktop charger.

A spare battery can be charged on its own or at the same time as your phone. Insert the battery into the desktop charger.

Battery Indicators

Your Motorola cellular phone includes the Motorola Expert Performance (ϵ·P+) charging system. This enables the charging circuits in both the phone and the optional (ϵ·P+) desktop charger to communicate directly with the battery. Based on this communication, the charger can implement the optimum charging cycle for best performance and determine the level of charge.

Your phone monitors and displays information about your battery. The following message will appear on the display, as the condition occurs:

Low Battery	The battery charge is low. The battery should be recharged.
Insert Battery	No battery fitted; external power connected
Invalid Battery	This message is accompanied by a single beep. Your phone is alerting you that you do not have charging capabilities with this battery even though the battery may be able to power the phone. The most likely reason why your charging system does not recognize the battery is that the battery you have purchased is not a Motorola original battery and therefore does not have the communications technology built into it. All Motorola original batteries include this communications technology. It is recommended that you use only Motorola original batteries, chargers and other accessories.

Battery Meter Indicators

The battery meter displays different messages depending on the batteries attached, and whether or not there is an external power source. The battery meter is found in the Call Related Features part of the Options Menu.

Charging Battery	The battery is being charged.
Fast Charge Complete	Fast charging is complete.
Invalid Battery	Battery may be defective, or may not be a Motorola original battery.

Your SIM Card

Your SIM (Subscriber Identity Module) card was supplied by your Service Provider when you bought your phone. You will not be able to make or receive calls if you do not have a SIM card inserted in your phone.

☞ *Some networks allow you to make 911 emergency calls without a SIM card inserted.*

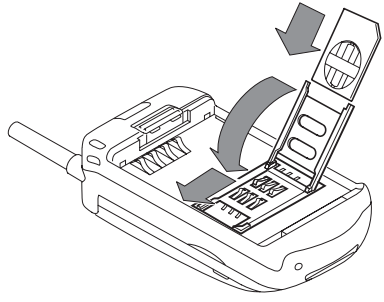
The SIM card is a 'Smart Card' that contains your phone number, service details and memory for storing Phone Book numbers and messages. You can therefore use your SIM card in someone else's GSM phone and you will be charged for the call.

Like a bank or credit card, you should keep your SIM card secure. Do not bend or scratch your card and avoid exposure to static electricity or water.

! *Switch off your phone before inserting or removing the SIM card. Failure to do so may damage the memory on your SIM card.*

SIM Card Insertion/Removal

1. Switch off your phone by pressing and holding the ⏻ key, remove the battery cover and the battery.
2. Slide the SIM holder toward the right and lift up the left side of the holder.
3. Remove the SIM card from the holder if necessary.
4. Insert the SIM card into the holder as shown. The SIM card should be inserted with the notch at the top and facing toward the base of the phone.



5. Replace the holder and press and slide it to the left to lock it into place.
6. Replace the battery and battery cover.

If the SIM card is inserted the wrong way, or damaged, the `Check Card` message may be displayed. Remove the SIM card and then properly re-insert it into the phone.

If either of the `Bad Card See Supplier` or `Blocked See Supplier` messages are displayed, then you will need to contact your Service Provider.

Switching the Phone On and Off

Press (O) to turn the phone on; press and hold (O) to turn the phone off. If VibraCall™ is selected, the phone will vibrate when it is switched on.

If you switch the phone on and there is no SIM card inserted, you will be asked to insert one. Once inserted, the phone will check that the SIM card is valid.

A number of messages will then be displayed:

- `Enter PIN` - a request to enter the SIM card PIN code (if required).
- `Enter Phone Unlock Code` - a request to enter the phone unlock code (if required).
- `Searching...` followed by a network name - as the phone searches and then finds a suitable network to connect to.

Entering Your SIM Card PIN Code

To enter the PIN code, enter [PIN Code] (OK).

As you type in each digit of the PIN code a * character will be displayed.

If you make a mistake, press and release the (C) key to remove the last digit. Holding the (C) key down will remove the entire entry.

When the PIN code is complete press the (OK) key.

If the PIN code entered is incorrect, the warning message `Wrong PIN` will be displayed, followed by `Enter PIN`.

! If the PIN number is entered incorrectly three times in a row, your phone will automatically lock up and the `Blocked` ***message will be displayed. See 'Unblocking Your Phone' for details on unblocking your phone.***

The PIN code can be changed; see 'Change SIM PIN Code' in the ***Phone Setup Menu*** section for more details.

OK Entering Your Unlock Code

If your phone displays the message `Enter Phone Unlock Code` you must enter your unlocking code by entering [Unlock Code] (OK).

The unlock code is a four digit number which is set by Motorola to **1234**. The code can be changed; see 'Change Unlock Code' in the ***Phone Setup Menu*** section for more details.

If you forget your unlock code, press the (MENU) key. This will display the 'Change Unlock Code' option. Enter (OK) [Security Code], enter a new unlock code, and press (OK).

Making a Phone Call

To make a phone call, your phone must be switched on and unlocked.

It will not be possible to make a phone call unless you are in an area where there is GSM1900 service. When service has been found, a series of rising bars, ▂▃▅▇, will show the signal strength.

There are a number of different ways to make a phone call:

- Using the digit keys.
- Using automatic redial.
- Redialing the last number called.
- One-touch dialing a Phone Book entry*.
- Dialing a Phone Book entry*.
- Calling an embedded number in a message.
- Using the smart button (◉) and Voice Control.

☞ **Your phone contains a 'phone book' that can be used to store names and telephone numbers. See 'What is the Phone Book?' for further details.*

Keypad Digits

The simplest method of making a phone call is to enter the number using the digit keys then press (OK).

☞ *If you make a mistake, press and release the (C) key to remove the last digit. Holding the (C) key down will remove the entire number.*

Your phone will then attempt to make the phone call. The display will show `Calling` to show the call attempt is being made. If the call is not answered, pressing (OK), or closing the phone, at this point will end the attempt.

When the phone call is answered, the display will change to `Connected` for a few seconds, followed by `End Call?`.

To end your call press (OK), or close the phone.

Automatic Redial

If your call attempt does not succeed, the message `Redial?` will be displayed for five seconds. Pressing (OK) at this point will automatically redial the phone number.

When the call is answered, you will hear a short ring tone.

The maximum number of redial attempts is set by your Cellular Service Provider. If the phone call cannot be connected within this maximum, the message `Redial Failed` will be shown.

Redialing the Last Number Dialed

When in standby mode, press (OK)(OK).

Alternatively, you can retrieve the last number dialed using the 'Last Ten Calls' feature in the Phone Book menu.

OK One-Touch Dialing Phone Book Numbers

To quickly retrieve and dial a number stored in the first nine locations of your Phone Book*, press and hold the appropriate digit key. For example, pressing and holding (2abc) will dial the phone number stored in location 2 of your Phone Book.

You do not need to press (OK) *to call the number.*

OK Dialing Phone Book Numbers

The following smart button (◉) options are available:

- Press ◉ and say the Voice Tag name after the tone. See 'Using Voice Control' for more information.
- Press ◉ and use the volume button to scroll to the stored number, or press the appropriate digit key to skip to a particular letter. To make the call, either hold down ◉ for 1.5 seconds or press (OK).

Alternatively, enter the phone book **location** number followed by (#▸)(OK).

Calling an Embedded Number in a Message

Details on how to call a number embedded in a message are given in the ***Messages Menu*** section.

International Phone Calls

To make an international phone call press and hold the (0+) key. After a couple of seconds the international dialing prefix + will appear in the display; this allows you to call from any country without knowing the local international access code.

Then enter the country code, followed by the phone number. Press (OK) to dial.

Inserting Pauses Into Phone Numbers

To obtain a three second 'pause' character in a phone number, press and hold the (*) key for a couple of seconds; the pause symbol ¤ will appear.

The pause character produces a three second delay whenever it is used. However, the first pause character in a phone number is a special case; it will not begin its delay until the call is answered.

Pause - A Working Example.

If, for example, you have a tone-based voicemail system on 555-6911, with a mailbox number 1066 and password 2001. Then you may dial the following number:

`5556911¤1066¤2001`(OK).

The first part of the number would be used to call the voicemail system.

When the call is answered the first pause will produce a delay of three seconds before the tones for `1066` are sent to select the mailbox.

There will be a second pause of three seconds before the tones for `2001` are sent as the password.

* *The Phone Book entries that you are able to access will depend on the One-Touch Dial Setting option in the Phone Book menu.*

*Emergency Calls**

When you dial 911, your phone will automatically send an emergency message to your GSM 1900 network. Keep in mind that you must be within a GSM 1900 network coverage area. If allowed by the Service Provider, the emergency message can be sent with or without a SIM card inserted into the phone and regardless of any security code settings.

Please check with your network operator for further information regarding emergency dialing services.

To dial the emergency number, press (9 wxyz) (1) (1) (OK).

While the emergency call is being made and connected, the display will show `Emergency`.

☞ *You may also be able to dial 112, the international emergency number, to place emergency calls.*

* *Network and subscription dependent feature. Not available in all areas.*

Receiving a Phone Call

To receive a phone call:

- Your phone must be switched on and unlocked.
- You must be in an area where there is service.
- Your Call Forwarding and Call Barring settings should not be set to forward or bar incoming calls.

When your phone receives a call, it will ring or vibrate. To answer a call, extend the antenna, then open the phone.

If you wish to open the phone without answering calls, set `Key Answer Only` to `On`. Then, if your network offers Caller Line Identification and you are a subscriber, you can open your phone to review the number or name of the caller before you answer. To answer a call with Key Answer Only activated, press (OK), (1) through (9 wxyz), or (#▸). To reject the call, press (c).

Your phone automatically searches your Phone Book for the caller's number. If the number matches an entry in your Phone Book, the name associated with the number is displayed instead.

To answer the call, press (OK). If `Key Answer Only` is active, you can also press (1) through (9 wxyz) or (#▸).

If your phone is open and you do not want to answer the call, you can:

- Press and release (c).

  The caller is either sent to a forwarding number (see 'Detailed Forwarding') or hears a busy tone.

  or

- Press and hold (c). This will reject the incoming call. No call forwarding option will be offered in this case.

If your phone rings and you do not answer it, the message `Unanswered Call` will be displayed the next time you open the phone, so that you know someone tried to call you.

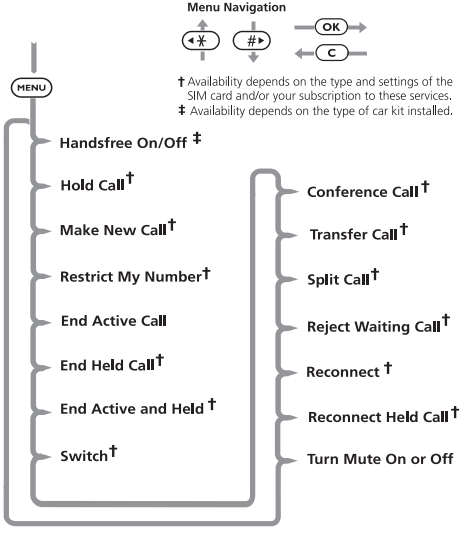
☞ *If you subscribe to CLI, you can view the names or numbers of your unanswered calls in the Last 10 Calls Received list.*

Ending a Phone Call

To end a phone call, press (OK), (C) or close phone.

In-Call Menu

The "In-Call" menu provides access to additional functionality during a call.


Menu Navigation
OK
C
MENU
† Availability depends on the type and settings of the SIM card and/or your subscription to these services.
‡ Availability depends on the type of car kit installed.
Handsfree On/Off ‡
Hold Call †
Make New Call †
Restrict My Number †
End Active Call
End Held Call †
End Active and Held †
Switch †
Conference Call †
Transfer Call †
Split Call †
Reject Waiting Call †
Reconnect †
Reconnect Held Call †
Turn Mute On or Off

Entering the In-Call Menu

The "In-Call" menu is accessed by pressing the MENU key during a call.

Leaving the In-Call Menu

To leave the "In-Call" menu press the C key.

In-Call Menu Options

The options listed in the "In-Call" menu will dynamically change depending on the current call state. The following list contains all of the possible options in the "In-Call" menu.

Only some of the options will appear at any given time. The order of the options may vary.

Handsfree On/Off

This option is used to switch between Handsfree and normal operation if the phone is installed in a car kit that does not have an automatic presence detector.

Hold Call

This option will put the active call on hold.

Make a New Call

This option allows you to make another call.

Restrict My Number

This option allows you to make a call without the remote user getting advanced warning of the number.

End Active Call

This option terminates the active call, and makes the call that was previously on hold, the active call.

End Held Call

This option will terminate a held call.

End Active And Held

This option will terminate all connected calls.

Switch

This option allows you to switch between the active call and the call that is on hold.

Conference Call

This option connects you with up to five other telephones on one call (see 'Making a Conference Call').

Transfer Call

This option transfers a call to another telephone (see 'Transfer Call' later in this section).

Split Call

This option allows you to separate an individual from the main Conference Call.

Reject Waiting Call

This option will reject a waiting call.

Reconnect

This option will make the call on hold the active call.

Reconnect Held Call

This option is similar to `Reconnect` but will appear if you have a call on hold, and a call waiting. `Reconnect Held Call` will make the call on hold the active call.

Turn Mute On or Off

Temporarily turns the microphone off during a phone call. Reselect this option to resume your conversation.

OK *Call Holding and Call Waiting*

Your phone supports the GSM options of Call Holding and Call Waiting. Using these options you can place a current phone call on hold and accept an incoming call or start a second call (See '***Call Waiting***' in the '***Call Related Features***' menu for details of how to control this feature).

Call Waiting

If Call Waiting is `On`, you will be notified of an incoming call by an audible alert and by the message `Call Waiting - Answer?`.

- To accept the incoming call, press (OK). The other caller will automatically be placed on hold.
- To reject the incoming call, press (C) or press (MENU) and select `Reject Call Waiting`.

If you would like to end the active call first, press (MENU) and select `End Active Call?`. The phone will then ring and can be answered normally.

☞ *If you have CLI, the caller's information will be displayed instead of the Call Waiting message.*

Call Holding

If you would like to put an active call on hold to make another call, press (MENU) and select `Call Hold`. Then press (MENU) again and select `Make New Call`.

- To end a held call, press (MENU) and select `End Held Call`.

Switching Between Calls

Pressing (OK) will switch you between the active and held calls. The other caller will automatically be placed on hold.

☞ *Closing the phone will end both the active and held calls.*

Making a Conference Call

With Conference Call, you can have a conference with up to five other phones to create a group call. At any time during your call, you can add, disconnect or separate individuals from the Conference Call using other "In-Call" menu options.

You must subscribe to both Conference Call and Call Waiting Supplementary Services to be able to use this feature.

Setting Up a Conference Call

To set up a conference call, place or receive a call as you normally would. Once the call is established, press (MENU) and scroll to `Make New Call`. Press (OK) to select.

You will then be prompted for the phone number of the next party. You can either enter the number with the keypad or recall a number from your Phone Book.

The original call will be placed on hold automatically while you make the new call. Once the new call is established, you can join the calls by pressing (MENU) and selecting `Conference Call`.

You may also add incoming calls by answering Call Waiting and selecting `Conference Call` as described above.

Simply repeat these steps to include additional calls.

Separating Out Individual Calls

If you need to speak with an individual caller privately, you can isolate one call from the conference call.

In order to separate a call from the group, there must not be any calls already on hold.

To isolate the call, press (MENU) and select `Split Call`. You will then be able to scroll through the phone numbers of all the members of the conference call. If you have stored any of the numbers in your Phone Book, the name will also appear. Once you find the caller to isolate, press (OK).

To rejoin the group, select `Conference Call` again.

Ending the Call

Close the phone to end all calls simultaneously.

Press (MENU) then scroll to either `End Active Call` to disconnect your live call or `End Held Call` to disconnect whoever is on hold, whether an individual or the remaining group.

Security Features

You may find that you are prompted to enter certain security or access codes before you can use your phone or some of its features. These codes are:

- PIN Code (SIM card PIN code).

  Prevents access to your SIM card. The number is supplied by your Service Provider. Your SIM card will be blocked if three unsuccessful attempts to enter this number are made.

- PIN2 Code.

  Prevents access to certain advanced features. The number is supplied by your Service Provider.

- Phone Unlock Code.

  Protects your phone from unauthorized use. The default code set by Motorola is 1234.

- Unblock Code.

  Unblocks your SIM card if it has been blocked by three unsuccessful attempts to enter the PIN code. The number is supplied by your Service Provider.

- Security Code.

  Prevents access to security features. The default code set by Motorola is 000000.

*Transfer Call**

Transfer Call transfers a call to another telephone. There are two ways to transfer a call: *before* or *after* the third party is connected.

You must subscribe to both Conference Call and Call Waiting Supplementary Services to be able to use this feature.

Initiating Transfer Call Before the Third Party Is Connected

For example, you are talking to "Judy" and wish to transfer her to "Amy"–who is not involved in the call yet–and then remove yourself from the call.

To transfer a call to another telephone, press the (MENU) key and select `Transfer Call` from the "In-Call" menu. Enter the number where the call will be transferred and press (OK).

Your phone will then attempt to transfer the call. The display will show `Transferring Call` followed by `Call Transferred`. When the call has been successfully transferred, you will be disconnected automatically.

Initiating Transfer Call After the Third Party Is Connected

For example, you are talking to "Judy" and answer a call waiting which is "Amy." You wish to transfer "Judy" to "Amy," and remove yourself from the call.

If you already have an active call and a call on hold, press the (MENU) key and select `Transfer Call` from the "In-Call" menu. Your phone will then attempt to transfer the active call to the call on hold. The display will show `Transferring Call` followed by `Call Transferred`. Once the call has been successfully transferred, you will be disconnected automatically.

* *Check with your GSM 1900 Service Provider for availability of Call Transfer*

Call Holding and Call Waiting Messages

During Call Holding and/or Call Waiting operations, your phone may display one or more of the following messages:

`Trying`
A request to hold the active call, swap the active with a held call, or add a member to a Conference Call, has been made.

or

A request to reconnect the held call has been made.

`Hold Failed`
The request to hold a call has been unsuccessful.

`Cannot Hold Second Call`
A call is already on hold, you cannot place two calls on hold at the same time.

`Connection Failed`
The held call could not be made active again.

`Busy Try Later`
Your phone is still working on a previous command. Wait a short time before repeating the command.

`Anonymous`
The person who is calling you has blocked their number from appearing on your phone.

`Unavailable`
The network is unable to provide the caller's number.

`Conference Unsuccessful`
The request for Conference Call has been unsuccessful.

`Transferring Call`
A request to transfer a call has been made.

`Transfer Unsuccessful`
The request to transfer a call has been unsuccessful.

Using VoiceNotes

The VoiceNotes feature allows you to record up to 3 minutes of personal voice messages or to record part of a phone call. This is useful when you don't have a pen and paper handy for taking directions or a message. Recording is available during the following call scenarios:

- Phone idle (no calls).
- Single active call (includes conference calls).
- Active call plus waiting call.

Recording a VoiceNote

To record a VoiceNote, press the Start/Stop Record button (⏺). You will hear a short tone to indicate that recording has started and the display will show the message `Recording` and the remaining recording time available.

If you are recording during a call, the person you are speaking to will hear a tone every 10 seconds to warn them that you are recording the call.

During the recording of an active call, only the person you are talking to is recorded.

To stop recording a call, press the Start/Stop Record button (⏺) or (OK); on models with a flip you can also close the flip, although this will end the call. The display shows the message `VoiceNote XX Stored` where `XX` is the number of the storage location. VoiceNotes are stored in sequential locations.

Recording stops immediately with no further notification if:

- you choose to accept an incoming call while you are recording (the Call Waiting alert is played)
- you choose to initiate a call during recording a VoiceNote.

VoiceNote Storage Capacity

The 'Show Time Available' option in the Messages, VoiceNotes menu displays the amount of recording time available, see 'Messages Menu'.

During recording, ten seconds before the recording capacity is reached you will hear a warning tone. If you do not stop recording within the time limit, recording will automatically stop and a single, one second tone will be heard, accompanied by the `Storage Full` message.

Playing VoiceNotes

To play your VoiceNotes, select the 'Play VoiceNotes' option in the Messages, VoiceNotes menu or the Quick Access menu item (✉).

The first VoiceNote will begin to play after two seconds. The display will show `VoiceNote XX Playing... Go to next?`

Press (C) to stop playing a VoiceNote. A message showing the current VoiceNote is displayed (`VoiceNote XX`), together with a prompt `Go to next?`. Press (MENU) and then (◄*) or (#►) to skip to the next VoiceNote.

If you selected 'Play VoiceNotes' from the Quick Access Menu, the phone will simply return to its idle state.

If you press (MENU) and then (◄ ✳) or (# ►) (top) during playback, the message will start to replay from the beginning. Press (◄ ✳) or (# ►) (top) twice rapidly to skip back to the previous message.

Press (MENU) to play the next VoiceNote. To skip to the next VoiceNote during playback, press (OK).

To play a VoiceNote stored at a specific location, press the appropriate digit key (1) to (9 WXYZ).

☞*It is not possible to play back VoiceNotes during a call.*

Erasing VoiceNotes

To erase your VoiceNotes, select the 'Erase All VoiceNotes' option in the Messages, VoiceNotes menu. You will be requested to confirm the deletion with the message `Erase All VoiceNotes – Select?`. Press (OK) to confirm the deletion.

The confirmation message `VoiceNotes Erased` is displayed.

☞*You cannot erase individual VoiceNotes.*

Using Voice Control

With Voice Control, you can call up a phone number or activate a Quick Access feature with a single spoken command.

The single spoken command is called a Voice Tag.

You can assign Voice Tags to call any of the Phone Book numbers in your phone memory, and you can also assign Voice Tags to activate any of the Quick Access features.

☞ *You cannot assign Voice Tags to call any of the numbers in your SIM card memory.*

When you are recording a Voice Tag, you cannot make or receive any calls.

For best results, when you record a Voice Tag, make sure there is no background noise and speak in a clear, natural voice. Your phone allows you about two seconds for each Voice Tag.

Voice Control for Phone Book Entries

You can add a new Voice Tag when you set up a new Phone Book entry or when you amend an existing Phone Book entry. Alternatively, you can overwrite an existing Voice Tag or delete it completely.

☞ *You cannot record a Voice Tag if you have set Prevent Access To Phone Memory.*

Add Voice Tag

This option is available from the Phone Book menu and allows you to add a Voice Tag to a new Phone Book entry.

Personal Numbers — **Add Entry** — **Add To Phone Memory** — **Add Voice Tag**

When you select 'Add To Phone Memory, your phone prompts you to enter a number, name and location and then stores the entry. For more details, see ***The Phone Book Menu***.

After the prompt `Stored XXX`, your phone then prompts you for a Voice Tag as follows:

1 `Add Voice Tag?`

Press (OK) to continue.

If there are already 25 Phone Book Voice Tags in your phone, `Voice Tag Storage Full` appears and your phone returns you to the 'Add To Phone Memory' menu option. You must delete a Voice Tag before you can add another.

If there are Voice Tags available, your phone prompts you to:

2 `Press OK When Ready`

Press (OK) to continue.

3 `Say Name After Tone...`

Wait for the tone to finish and then say the name.

Sometimes `Repeat Name After Tone...` prompts you to repeat this operation.

4 If the recording is successful, `Please Wait` appears after two seconds followed by ☑ `Voice Tag Stored`.

When a Voice Tag recording is successful, your phone returns you to the 'Add To Phone Memory' menu option.

If the recording is not successful, for example, the name you used is too similar to another Voice Tag name, the phone displays the reason for not accepting the name and returns you to the Press OK When Ready prompt.

Add or Edit Voice Tag and Delete Voice Tag

These options are available from the Phone Book menu or the Quick Access menu. First, select either 'Find Entry by Name' or 'Find Entry by Location'.

After you enter the name or location details, you can select the appropriate Voice Tag menu option.

Add or Edit Voice Tag

This option does not appear if the phone number is not in phone memory.

Select this option to add a Voice Tag to the Phone Book entry or to overwrite an existing Voice Tag. If an entry already has a Voice Tag, the symbol ›› appears after the location number.

When you select this option, the phone prompts you with Press OK When Ready.

To complete the Voice Tag recording, follow the same process as for 'Add Voice Tag'.

Delete Voice Tag

This option does not appear if the phone number is not in phone memory or if there is no Voice Tag to delete.

Select this option to delete the Voice Tag from the Phone Book entry.

When you press (OK), the phone deletes the Voice Tag and returns the prompt ✓ Voice Tag Deleted.

Using Voice Activation with Phone Book Entries

You can use either the smart button (◉) or you can use the Phone Book menu followed by ◉.

Voice Activation using the smart button (◉)

Press ◉.

If there is a Phone Book entry with a Voice Tag, the following prompt appears:

1 Say Name After Tone...
Wait for the tone to finish and then say the name.

☞*If you press a key, you return to the Phone Book.*

If the phone does not find a matching Voice Tag, No Match Found appears and you return to the Phone Book.

2 If the name you say matches a Voice Tag, the phone repeats the name and displays the Phone Book entry.

3 Do one of the following:

- Wait for two seconds and the phone makes the call.
- Press (OK) to make the call or (C) to cancel the call.
- Press (*) or (#) to display the next entry in the Phone Book.

When you scroll to a Phone Book entry that has a Voice Tag, your phone replays the Voice Tag through the speaker.

Voice Activation using the Phone Book Menu

Select Voice Dialing from the Phone Book menu.

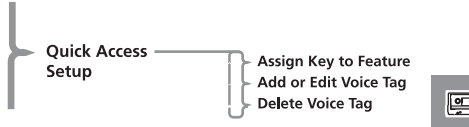
When you press (OK), the phone displays the message Press Smart Button When Ready.

To complete the voice activation, follow the same process as for 'Voice Activation using the smart button (◉)'.

Voice Control for Quick Access Features

You can use Voice Tags to activate any of the Quick Access features on your phone. You are not restricted to the nine Quick Access keys.

Quick Access Setup



This option is available from the Phone Setup menu and allows you to do the following:

- Customize your Quick Access menu.
- Set up and change the Voice Tag allocation for the Quick Access features.

When you select Quick Access Setup, your phone displays a list of the Quick Access features. If a feature already has a Voice Tag, the symbol ❩❩ appears with the feature name.

Use (*) or (#) to highlight the feature you require and then press (OK). You can then assign a key or change the Voice Tag setup.

Assign Key to Feature

Select this option to assign a key to the Quick Access feature. Your phone displays the prompt Enter 1-9:.

Press (1) to (9wxyz) to assign a key and then press (OK).

If you assign a valid key, your phone displays ☑ Completed and then returns you to the Quick Access feature list.

As an alternative, you can also assign a key using the Quick Access key (↑). See ***Using the Quick Access Menu***.

Add or Edit Voice Tag

Select this option to add a Voice Tag to the Quick Access feature or to overwrite an existing Voice Tag.

If you attempt to add another Voice Tag when there are already 15 Quick Access Voice Tags in your phone, `Voice Tag Storage Full` appears and your phone returns you to the Quick Access feature list. You must delete a Voice Tag before you can add another.

If there are Voice Tags available, your phone prompts you to:

1 `Press OK When Ready`

Press (OK) to continue.

2 `Say Name After Tone...`

Wait for the tone to finish and then say the name.

Sometimes `Repeat Name After Tone...` prompts you to repeat this operation.

3 If the recording is successful, `Please Wait` appears after two seconds followed by ✓ `Voice Tag Stored`.

When a Voice Tag recording is successful, your phone returns you to the Quick Access feature list.

If the recording is not successful, for example, the name you used is similar to another Voice Tag name, the phone displays the reason for not accepting the name and returns you to the `Press OK When Ready` prompt.

Delete Voice Tag

☞*This option does not appear if there is no Voice Tag to delete.*

Select this option to delete the Voice Tag from the Quick Access feature.

When you press (OK), the phone deletes the Voice Tag and returns the prompt ✓ `Voice Tag Deleted`.

Using Voice Activation with Quick Access Features

To activate a Quick Access feature using Voice Control:

1 Press (↑).

If there is a Quick Access feature with a Voice Tag, the following prompt appears:

2 `Say Name After Tone...`
Wait for the tone to finish and then say the name.

☞ *At this point, you can press (C) to return to the idle screen; press a numeric key or (OK) to activate the appropriate Quick Access feature; press (◂✱) or (#▸) to display the Quick Access menu list.*

If the phone does not find a matching Voice Tag, `No Match Found` appears and you return to the Quick Access menu.

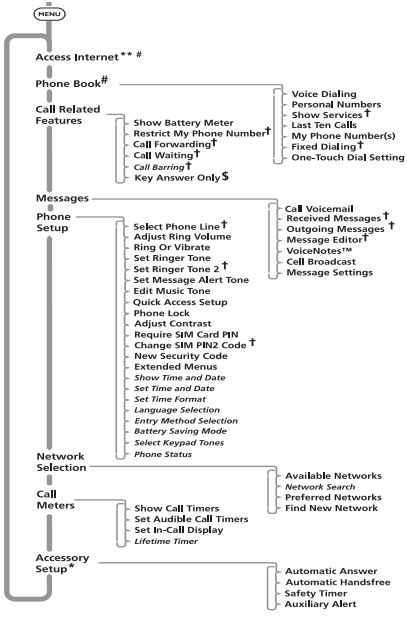
3 If the name you say matches a Voice Tag, the phone repeats the name and displays the entry for the Quick Access feature.

4 Do one of the following:

- Wait for two seconds and the phone activates the feature.
- Press (OK) to activate the feature or (C) to return to the Quick Access menu list.
- Press (◂✱) or (#▸) to display the next entry in the Quick Access menu.

When you scroll to a Quick Access feature that has a Voice Tag, your phone replays the Voice Tag through the speaker.

Using the Options Menu



Menu Navigation

Items shown in ***Italics*** are available only when **Extended Menus** are switched on.

If your service provider has added their own menu, the Access Internet menu will not be the first item in the Options menu

† Availability depends on the type and settings of the SIM card and/or your subscription to these services.

***** The **Accessory Setup** option is available only when a car kit or headset accessory are fitted.

‡ The features and the positions of the features in the Quick Access menu can be changed.

****** Network and subscription dependent feature. Not available in all areas.

Access Internet

☞*Access Internet is a network and subscription-dependent feature. Contact your service provider for details about the mobile internet services based on the WAP (Wireless Application Protocol) technology that they provide.*

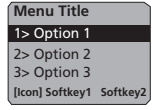
Your phone has mobile internet access. This allows you to use the mobile internet services available from your service provider; for example, financial, sports, travel, and entertainment information services.

This section explains:

- some of the common display features
- how to set up your phone for mobile internet access
- how to start a mobile internet session
- how to use and end the mobile internet session

Common Display Features

Your service provider determines the layout and information that appears on the display. This example display illustrates a typical mobile internet screen and the soft keys you use to select and navigate through options.



Using the Main Menu

To display the Main Menu, press and hold (MENU) until the Main Menu appears. You can access the Main Menu only during a mobile internet session. Then scroll up or down to highlight the appropriate menu option and press (OK) to select it. The Main Menu includes special commands, for example:

Help:	provides help, if available, for the previously-highlighted option.
Home:	returns you to your home page provided by your service provider.
Mark site:	allows you to add a site to your Bookmarks folder.
Setup:	contains the options to set up your mobile internet access.

Using Bookmarks

Select Mark Site from the Main Menu. When your phone prompts you for a bookmark, press any key from (1) to (9 WXYZ). A Stored XXX message confirms that the bookmark key is set. To return to the bookmark during a mobile internet session, press and hold the appropriate key.

Using the Soft Keys

To select a soft key from the display during a mobile internet session, press (OK) or (MENU). The soft keys change so that they are appropriate for the current display, for example, Quit, OK, Back, or View. In the second example display, (MENU) selects softkey1 and (OK) selects softkey2.

Mobile Internet Icons and Messages

Icon or Message	Description
Sending))))))	Sending data to the internet.
Receiving (((((((	Receiving data from the internet.
Connecting....	Connecting to the internet.
Working....	Performing an internet activity.
[struck out key symbol]	Non-secure internet connection.

☞ *The internet service you receive determines the icons and messages that appear in the display.*

Setting Up for Mobile Internet Access

☞ *Your service provider may set up your mobile internet access automatically.*

To set up your mobile internet access manually, you will need the following information:

- Primary Data Gateway: this is the IP address of the gateway through which you will access the mobile internet. The IP address is in the format 123.456.789.123.
- Phone Number: this is the number that your phone will call to access the internet; your Internet Service Provider (ISP) issues this number.
- User Name: this is your user name, provided by your ISP.
- User Password: this is your password, provided by your ISP.
- Baud Rate: this is likely to be 9600, the standard data rate for GSM phones.
- Idle Time Out: this is the time the phone will wait before hanging up if it detects no internet activity; usually 600 seconds; maximum 1000 seconds.
- Line type: this is the type of call you make to your ISP, either modem or ISDN.
- Connection Type: this is either Non-Transparent or Transparent, depending on your service provider.

Also ensure that your mobile phone number shows when you select the menu option My Phone Number(s), under the Phone Book Main Menu. This could be used as your account number by the Primary Data Gateway. If your number is not shown, add it by following the instructions in ***My Phone Number(s)***.

Select the menu option Access Internet and press the (OK) key. Press and hold the (MENU) key until the Main Menu appears. Scroll down through the options to 6> Setup and press (OK) key. Enter the information listed above at the appropriate menu item by first selecting the item and choosing the softkey to edit it as necessary.

When you have entered all the appropriate information, exit the Main Menu by pressing the (C) key repeatedly. Turn your phone off and then on again to make sure you register all changes. You will then be ready to start a mobile internet session.

Starting a Mobile Internet Session

Press (↑). Select the Quick Access feature or after the tone, say the Voice Tag name.

The menu option Access Internet starts a mobile internet session.

When you start a mobile internet session, you will see the messages Connecting..., Sending)))) and Receiving ((((before your home page appears. Typically, an ISDN connection will take approximately 10 seconds and a modem connection will take 30 seconds.

Using the Mobile Internet Session

Selecting Options Within a Mobile Internet Session

If the Internet page has a list of menu options, scroll up or down to highlight the appropriate menu option and then press (OK) to select it. Press (C) to return to the previous screen.

When the text for a menu option is too wide for the screen, the phone uses two screens and repeats each half of the menu list until you make a selection.

Editing Text Within a Mobile Internet Session

You edit text in a mobile internet session in a similar way to editing text in all other phone functions, but you can use softkeys to enter symbols and numbers easily. See ***Entering Text on Your Phone***.

Making and Receiving Calls During a Mobile Internet Session

To make a call, you must end the mobile internet session and make your call in the normal way.

Voice calls cannot be received during an on-line mobile internet session. An on-line session is indicated by the (In Use) icon. If you receive a call during a Mobile Internet Session the call will be forwarded (See Call Forwarding).*

If you receive a call during an off-line Mobile Internet Session (the (In Use) icon is not displayed) your phone prompts you to Answer?. Press (OK) to accept the call or press (C) to reject it.

* *Availability of this feature depends on your service provider*

If you answer the call, WAP Session Paused – Resume? appears when you end the call. Press (OK) to resume your mobile internet session or press (C) to return to the idle phone display.

Internet Service Alerts

You do not need to be using the mobile internet to receive an internet service alert. If you receive an alert, your phone:

- emits an alert tone (depending on the 'Ringer On or Off' setting)
- displays a pop up screen with appropriate alert details.

Press (OK) to display the contents of the alert or press (C) to reject it.

Ending a Mobile Internet Session

Press the (C) key repeatedly until the Internet home page appears. Press (C) again to end the mobile internet session.

You can also press the smart key to end the mobile internet session. This immediately returns you to the idle phone display.

Summary of Keys Within a Mobile Internet Session

Key action	Effect in mobile internet	Effect in text editor*
Press (MENU)	Selects the first soft key (softkey1 in the example).	
Press (OK)	Selects the second soft key (softkey2 in the example).	
Press and hold (MENU)	Displays the mobile internet menu.	
Press ◉	Ends the mobile internet session.	
Press (C)	Takes you back to the previous screen.	Deletes the character in front of the cursor.
Press (C) repeatedly Press (C) again	Takes you back to the internet home page. Ends the mobile internet session.	Deletes all the characters in the edit area.
Press (1)…(9 wxyz)	Selects a menu option in a list.	Inserts an alphanumeric character.
Press and hold (1)…(9 wxyz)	Takes you to a bookmarked page.	Changes the case for the next alphanumeric character.
Press (◂ ✳) or (# ▸)	Takes you up or down through a list of menu options.	Moves the cursor one position to the left or one position to the right.

* For full details, see 'Entering Text on Your Phone'.

Accessing MyMotorola.com

The `My Motorola` option on the mobile internet menu allows you to go directly to the *MyMotorola.com* web site.

Go to MyMotorola.com today!

MyMotorola.com is a powerful, free tool that allows you to get the most from your phone.

To access the power, simply go to http://www.mymotorola.com and register. Complete the 'Join Now' registration form with some information about yourself and your phone to access support tools, personal information tools and a list of WML web sites that work great on your new phone.

By downloading TrueSync™ software and going to http://www.mymotorola.com you can keep your phone, your desktop organizer and your web-based address books synchronized and keep them instantly up-to-date and accessible.

You can enjoy the freedom of accessing your personal data from your phone, wherever you are. You can also access *MyMotorola.com* from any personal computer with an Internet connection, anywhere in the world.

MyMotorola.com gives you **the power to take your world with you:**

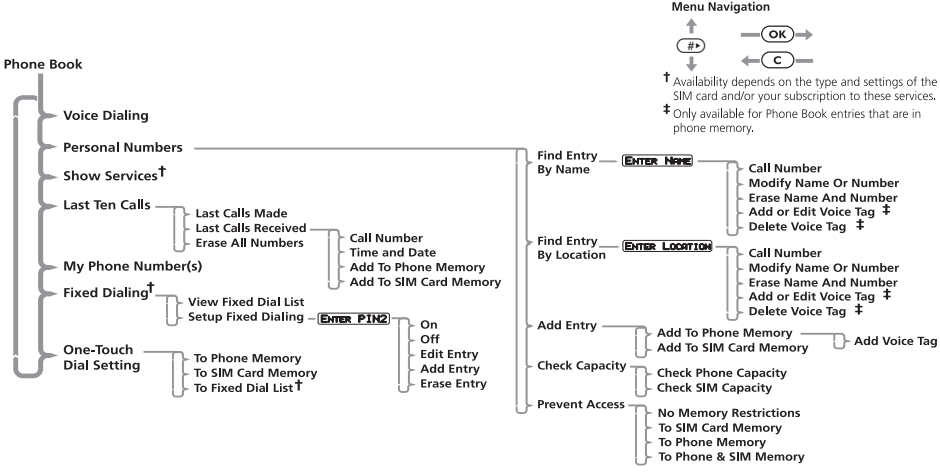
The power to be efficient. Enter information once - access and update your personal mobile organizer information, anywhere.

The power to stay informed. View your mobile bookmarks: the mobile Internet sites of your choice, for business or for pleasure, customized for your phone.

The power to relax. Enjoy exclusive access to games, give-aways and prizes. Explore your personal, mobile entertainment options and have fun with your friends.

Take your world with you. Visit *MyMotorola.com* today.

The Phone Book Menu



If your service provider has added their own menu, the Phone Book menu will not be the first item in the Options menu.

OK What Is the Phone Book?

You can store names along with telephone numbers in your phone's internal Phone Book. Each entry is stored in a memory location in the Personal Numbers list of your phone's or SIM card's memory. Once stored, a number can be quickly retrieved by either memory location or name.

Your Phone Book storage capacity is as follows:

	Phone Memory	SIM Card Memory*
Personal numbers	100 entries	Up to 155 entries
Fixed dial numbers	None	40 entries
Phone number digits	32	20
Name characters	16	10-50
Locations	1-100	101-255

** SIM card capacity varies depending on the service provider.*

To access your Phone Book in alphabetical order, press the smart button, then use the volume keys or (◂¥) and (#▸) to scroll through the entries.

To access the Phone Book menu options, press (MENU) twice. You will see Phone Book. Press (OK) to enter the Phone Book menu, then use (◂¥) and (#▸) to scroll to the Phone Book menu option or sub-menu that you wish to use and press (OK) to select it.

You can also access many of the Phone Book functions with the Quick Access Menu.

Postscripting

This allows you to make use of area codes and other prefixes previously stored in your Phone Book when making a call.

To use postscripting, select the Phone Book entry containing the prefix and then simply enter the rest of the number and press (OK) to make the call.

You can also use postscripting if you want to call a number similar to one you have stored in your Phone Book. Retrieve the number from the Phone Book, delete the relevant digits and then enter the new number.

Postscripting a number does not overwrite the entry in the Phone Book.

Postscripting is not available when accessing the Phone Book using the smart button.

How to Enter Alphabetic Characters

The (0 ›), (1),... ...,(8 TUV) and (9 WXYZ) keys are used to enter alphabetic characters, for example when storing names in the Phone Book or when creating messages.

For example, if you press the (5 JKL) key, the first displayed character will be J. If this is not the required character, then you can press the same key again to show K. Another press will display L, another will display 5. Your phone will continue to scroll through the characters available on the selected key with each new key press.

A long press of any of the keys will switch all the characters to lower case, a second long press will switch back to upper case.

To enter the next character press the appropriate key. If, however, the next character is on the same key as the previous character you will first need to press the (# ▸) key. Pressing the (# ▸) key a second time will produce a space.

If a mistake has been made, you can go back to the incorrect character by pressing (◂ *).

Characters can be removed from the display by pressing the (C) key.

The character before the cursor (▒) is the character which will be deleted.

Press the (OK) key to store the information.

Available Characters

Press the appropriate keys to get the following characters:

(1)	1 Space . ? ! , @ _ & : " ( ) ' % $ ¿ ¡ 1 Space . ? ! , @ _ & : " ( ) ' % $ ¿ ¡
(2 ABC)	A B C 2 à ç a b c 2 à ç
(3 DEF)	D E F 3 é è d e f 3 é è
(4 GHI)	G H I 4 ì g h i 4 ì
(5 JKL)	J K L 5 j k l 5
(6 MNO)	M N O 6 ñ ò m n o 6 ñ ò
(7 PQRS)	P Q R S 7 p q r s 7
(8 TUV)	T U V 8 ü ú t u v 8 ü ú
(9 WXYZ)	W X Y Z 9 w x y z 9
(0 ›)	0 + - x * / = > < # 0 + - x * / = > < #

The top line for each key shows the upper case characters, the lower line shows the lower case.

Entering Text on Your Phone

You use the phone keypad (0+, 1 to 9wxyz) to enter text on your phone. However, there are three different ways to enter text:

***iTAP™:**	Press a key to generate a character and a dynamic dictionary uses this to build and display a set of word or name options. Please note that iTAP™ may not be available on the phone in all languages.
Tap:	Press a key to generate a character.
Numeric:	The keypad produces numeric characters only. For some text areas, this is the only method available, for example, phone numbers.

** For iTAP, see page 65.*

This section identifies:

- the characters assigned to each key
- how to select an entry method
- how to use each entry method

Table of Characters

The table of characters identifies the characters assigned to each key. The top line shows the upper case characters and the lower line shows the lower case characters.

To change from upper case to lower case, or from lower case to upper case, press and hold the appropriate key (2abc to 9wxyz).

In iTAP™ mode, the keys 2abc to 9wxyz generate standard letters as predicted by the dynamic dictionary, and the numbers 2 to 9. 1 generates all the punctuation and symbols, 0+ only generates 0.

Selecting a Text Entry Method

You can select a text entry method whenever you need to edit text, for example:

- in the phone book (`Enter Name`, `Enter Number`)
- in the message editor
- in the mobile internet session

Press MENU to display each of the available entry methods. Press OK to select the entry method you require.

If iTAP does not support the current language set up for your phone, then only Tap is available. Your phone displays `Not Available` *when you press* MENU.

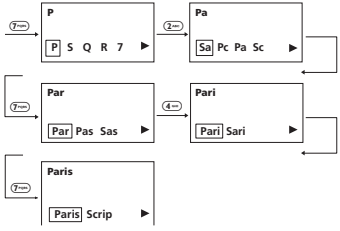
The factory default for the entry method is Tap Mode. However, you can change the default. See ***Entry Method Selection*** in ***Phone Setup***.

How to Enter Text in iTAP Mode

Only available if iTAP supports the current language set up for your phone.

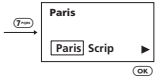
In iTAP Mode, each key has a number of different characters assigned to it. When you press a key to start a word, the available characters appear at the bottom of the display.

As you add characters, a dynamic dictionary builds and displays a set of text options along the bottom of the display. iTAP highlights the first choice text option.



To highlight and add characters to an alternative text option, press ◄* or #►. A left or right arrow on the bottom line indicates that ◄* or #► will display more text options.

When you are ready to add a highlighted word to the main display area, press OK.



To start adding another word, press the next text key you require. However, if you have finished editing, select OK?.

iTAP - Locking a Word

You lock a word to give yourself a better selection of text options or to stop the dynamic dictionary from changing the core text you are using. The core text can change if you create a word that is not in the dynamic dictionary.

You can lock a word in two ways:

- Use ◄* or #► to highlight an alternative text option (even if you then return to the original text option). The highlighted text then forms the basis for all subsequent text options.
- Use C to return to the core text you require. For example you add P to Scri but iTAP changes the text option to Paris. If you press C and highlight Pari, Pari is then locked.

iTAP - Punctuation and Upper Case Characters

When you select a word to go into the main display area, iTAP automatically inserts a space. However, iTAP does not necessarily add a space if you insert a punctuation character, for example, a period.

Press 1 to add a punctuation character or symbol.

iTAP automatically adds an upper case character: at the beginning of a message; at the beginning of a sentence; and at the beginning of each word in the phone book.

To insert upper case characters at any other time, press and hold the appropriate key (2ABC to 9WXYZ).

iTAP - Adding Numeric Characters

When you press a key, the numeric character assigned to the key appears as one of the alternative text options. Once you highlight

a numeric character, all subsequent characters are numeric until you press (OK).

iTAP - Correcting Text

In iTAP Mode, you can correct the text in the main display area. You can delete one character at a time or one word at a time.

To move the cursor (I), press (◂✱) or (#▸).

To delete the character before the cursor, press (C). You can then insert any new characters you require.

To delete the word before the cursor, press and hold (C). If you continue to press (C), you delete the next word, and so on, until you delete all the words.

iTAP - The Dynamic Dictionary

The dynamic dictionary learns the most recent and the most frequent words that you use. This includes names and acronyms. If there are words that you do not use frequently, then the dynamic dictionary deletes these first to make room for new words or words that are more frequently used.

The language you specify for the phone determines the dynamic dictionary that it uses (if there is one is available). See ***Language Selection*** in ***Phone Setup***.

How to Enter Text in Tap Mode

In Tap Mode, each key has a number of different characters assigned to it. See 'Table of Characters'. When you press the same key several times, you scroll through the assigned characters.

For example, if you press (5JKL), you display the J or j character. If you press the key again, you display the K or k character, and so on.

To enter the next character, press the next key that has the character you require. If the next character is on the same key, you must first press (#▸).

Correcting Text

In Tap Mode, you can delete one character at a time or you can delete all the text.

To move the cursor (I), press (◂✱) or (#▸).

To delete the character before the cursor, press (C). You can then insert any new characters you require.

To delete all the text, press and hold (C).

How to Enter Text in Numeric Mode

The keys (0+), (1) to (9WXYZ) produce numeric characters only.

Correcting Text

In Numeric Mode, you can delete one character at a time or you can delete all the text.

To move the cursor (I), press (◂✱) or (#▸).

To delete the character before the cursor, press (C). You can then insert any new characters you require.

To delete all the text, press and hold (C).

Voice Dialing

Select this option to call any phone number that has a Voice Tag. The phone prompts you to press the smart button (◉). See ***Using Voice Control***.

Personal Numbers

The Personal Numbers sub-menu is used for creating and managing your list of personal numbers.

Find Entry By Name

Press ◉ and say the Voice Tag name after the tone. See 'Using Voice Control' for more information.

Press the smart button (◉) and use the volume buttons to scroll to the stored number, or press the appropriate digit key to skip to a particular letter. To make the call, either hold down ◉ for 1.5 seconds or press (OK).

This option is used to select a telephone number from a list of alphabetically sorted Phone Book names.

Once selected, this option will display the message `Enter Name`. You can enter a maximum of three characters from a name but you do not need to enter all three characters to begin a search.

The Phone Book entries will be searched and the first alphabetically matching entry will be displayed.

If there isn't a name matching your entry, the nearest alphabetically matching entry will be displayed.

If you do not enter any name information, the first alphabetical entry will be displayed.

If there are no names stored, `No Names Stored` will be displayed.

To display adjacent Phone Book entries use the (◂*) and (#▸) keys. When the desired name is displayed press the (OK) key to select it. The phone will now enter the 'Call Number', 'Modify Name Or Number' or 'Erase Name And Number' options sub-menu.

Find Entry By Location

Press ◉ and say the Voice Tag name after the tone. See 'Using Voice Control' for more information.

Location (#▸)

This option is used to select a telephone number from a list of numerically sorted Phone Book locations.

Once selected, this option will display the message `Enter Location`. You can now enter a location number. If the entered location is not valid, a timed message `Range 1-XXX` will be displayed and the phone will return to the `Enter Location` menu item.

The Phone Book entries will be searched and an entry will be displayed.

If you enter a location number for which there is no entry, `Location Empty` will be displayed and the nearest non-empty location will be selected instead.

If you did not enter a location, the first numerical entry will be displayed.

If there are no numbers stored, No Numbers Stored will be displayed.

To display adjacent Phone Book entries use the ◂✳ and #▸ keys. When the desired name is displayed press the OK key to select it. The phone will now enter the 'Call Number', 'Modify Name Or Number' or 'Erase Name And Number' options sub-menu.

MENU

Call Number, Modify Name or Number or Erase Name And Number Options

Once a Phone Book entry has been selected, it can be called, modified or deleted.

Call Number

This option is used to call the selected Phone Book telephone number.

Modify Name or Number

This option is used to change the selected Phone Book entry.

The entry's current telephone number and name will be presented, in turn, for modification. You can accept the current settings or modify as required.

Erase Name and Number

This option is used to erase the selected Phone Book entry.

Simply press the OK key when the phone displays the message Erase Name And Number. The option will display the timed message Erased XXX and then return to the appropriate menu item.

Add or Edit Voice Tag and Delete Voice Tag

Use these options to add, edit or delete the Voice Tag for the Phone Book entry. See ***Using Voice Control***.

Add Entry

This option is used to add (store) entries to the Phone Book. You can choose to add the new entry to either the phone or SIM card memory locations.

Add To Phone Memory, Add To SIM Card Memory

Press M+ to enter Add Entry sub-menu

Press #▸ and OK to select either Add To Phone Memory or Add To SIM Memory.

Once you have selected the destination, you will be prompted with the message Enter Number. Enter the number to be stored and press OK. You will then be asked to enter a name. Press OK to confirm your entry. Finally, you will be asked to enter a memory location.

The last telephone number displayed will be presented by default; it can be used or discarded as required.

To discard a number, press and hold C.

If the entered location is not valid, a timed message Range YYY-ZZZ will be displayed and the phone will return to the Enter Location prompt. If the chosen location is currently used by another entry, you will be asked for confirmation that the location can be overwritten.

If you do not supply a location number but press OK, the next available location will be used.

When the new entry has been entered, a timed message Stored XXX will be displayed and the phone will return to the sub-menu of Add Entry.

Add Voice Tag

If you add a Phone Book entry to the phone memory, the Add Voice Tag? prompt appears after Stored XXX . Press (OK) to add a Voice Tag. See ***Using Voice Control***.

Check Capacity

This option is used to check the number of free Phone Book entries in the phone or SIM card memory areas.

Check Phone Capacity, Check SIM Capacity

Once selected, a timed message XX Unused Locations displays the requested information.

Prevent Access

This option enables you to prevent access to the Personal Numbers list.

You cannot record a Voice Tag if you have set Prevent Access To Phone Memory.

To SIM Card Memory, To Phone Memory, To Phone & SIM Memory, No Memory Restrictions

You can prevent access to all entries in the SIM card memory, the phone memory or both the phone and SIM card memory. To cancel all access restrictions use the No Memory Restrictions option.

When you change the restrictions, you will be requested to enter the Security Code before the change is made.

Copy SIM Memory

This option is used to copy the Phone Book memory of one SIM card to another in the event you change cards. Follow the phone prompts to copy a SIM card's memory.

Show Services

This option displays a list of phone numbers and services provided by your Service Provider.

Availability depends on the type and settings of the SIM card, and/or your subscription to this feature.

Last Ten Calls

These options can be used to call the most recently used phone numbers.

Once an option has been selected, use the (◂✱) and (#▸) keys to scroll through the list of phone numbers. Press the (OK) key to call the displayed number.

You can use postscripting to modify a number once you have retrieved it from either of the Last Ten Calls lists.

Last Calls Made

Press (OK) and (◂✱) or (#▸)

This option can be used to redial the phone number of any one of the last ten calls made.

Last Calls Received

Press (↑) (5 JKL) to enter the list

This option can be used to redial the phone number of any one of the last ten calls received.

You will only see numbers in the Last Calls Received list if you have Caller Line Identification.

Erase All Numbers

This option erases all the numbers stored in your Last Ten Calls Made and Last Ten Calls Received lists.

The Last Ten Calls list will be erased when a new SIM is inserted in the phone.

My Phone Number(s)

This option allows you to access your phone, fax and data numbers so that you can retrieve or modify them when required. For example, if you have difficulty remembering your phone number, store it with the name 'My Phone' and then you will be able to retrieve the number as required.

The My Phone Number(s) list is stored on your SIM card.

When you select this item, the first location will be displayed. Use the (*) and (#) keys to scroll through the phone numbers stored.

To enter or change a number, scroll to the location and press (OK). You will be prompted to enter a phone number and then a name. Press (OK) to store the information.

Depending on your Service Provider, you may find that one or more of the entries in the My Phone Number(s) list will have been defined. You may not be able to change these predefined entries.

Fixed Dialing

Availability of the Fixed Dialing menu depends on the type of SIM card and your Service Provider.

This feature allows you to limit use (typically third-party use) of your phone to a predefined list of telephone numbers or, if you wish, to a list of country codes, area codes, or other prefixes of your choosing.

When Fixed Dialing is switched on, the only numbers that can be dialed from your phone are those stored (or whose prefix is stored) in the Fixed Dial list. If you attempt to dial any other number (apart from an emergency number), the message Restricted will be displayed. You will not be able to make fax or data calls.

To make a call when Fixed Dialing is switched on, either dial the number manually, or select it from the Fixed Dial list and press (OK).

Up to 40 entries can be stored in the Fixed Dial list. The list is stored on your SIM card.

! This option may be affected by the Call Barring setting.

View Fixed Dial List

This option allows you to scroll through the numbers in the Fixed Dial list. When you find the number you want, press (OK) to make the call.

Set Up Fixed Dialing

This option allows you to switch Fixed Dialing on or off and to enter or change entries in the Fixed Dial list.

You will be prompted to enter your PIN2 security code when you select this option.

On

Switches Fixed Dialing on.

Off

Switches Fixed Dialing off.

Edit Entry

Modifies or clears an entry in the Fixed Dial list. When you select this option, the first non-empty location in the list will be displayed. Scroll to the entry you want to change and press (OK). You will be prompted to edit the phone number and the name. To erase the entry, press (C).

Add Entry

Adds a phone number and name to the Fixed Dial list. When you select this option you will be prompted to enter the phone number, name and a location number. If you do not specify a location number, it will be stored in the next available location.

☞ *When setting up your Fixed Dial list, you may want to reserve the first nine locations for phone numbers you wish to One-Touch Dial. See also 'One-Touch Dial Setting'.*

Erase Entry

Erases a phone number and name from the Fixed Dial list. The first entry in the Fixed Dial list will be displayed. Scroll to the entry you wish to delete and press (OK).

One-Touch Dial Setting

This option allows you to specify which Phone Book list can be One-Touch Dialed.

To Phone Memory

Switches One-Touch Dialing to your Personal Numbers list stored in phone memory (locations 1 to 9).

To SIM Memory

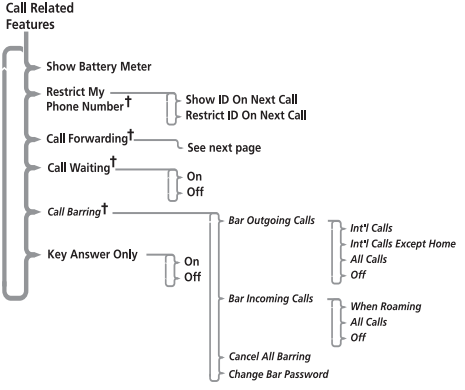
Switches One-Touch Dialing to your Personal Numbers list stored on your SIM card (locations 101 to 109).

To Fixed Dial list

☞ *This option is only available if you have Fixed Dialing.*

Switches One-Touch Dialing to your Fixed Dial list (locations 1 to 9).

Call Related Features Menu

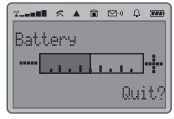


Items shown in ***Italics*** are available only when **Extended Menus** are switched on.

† Availability depends on the type and settings of the SIM card and/or your subscription to these services.

Show Battery Meter

This option displays the approximate amount of battery capacity remaining, for example:



Number of Segments	Approximate Charge Level
1	less than 5% (recharging needed)
2	less than 20%
3	less than 60%
4-5	greater than 60%

Restrict My Phone Number

'Restrict My Phone Number' is a network feature. You will need to subscribe to one of the two Caller Line Identification restriction features with your Service Provider.

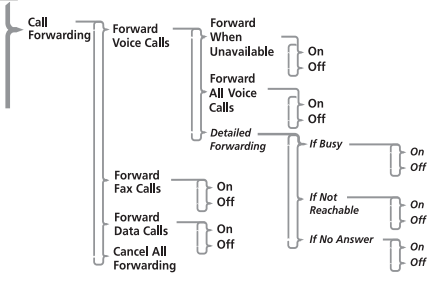
Show ID on Next Call

Your phone number is sent with the next attempted call; after this your phone number will not be sent until you re-select this option.

Restrict ID on Next Call

Your phone number will not be sent with the next attempted call; after this your phone number will be sent with calls until you re-select this option.

OK *Call Forwarding**



Call forwarding is a network feature. If your phone is unavailable, or you do not wish to receive calls, incoming calls can be forwarded to other phone numbers.

* *Network and/or subscription dependent feature. Not available in all areas.*

This option can be used to:

- Forward all incoming Voice calls unconditionally.
- Forward incoming Voice calls whenever your phone is unavailable, busy, not reachable or not answered.
- Forward incoming Fax calls.
- Forward incoming Data calls.
- Reset all forwarding options to off.

☞ *You cannot change the call forward settings when you are out of network coverage.*

After selecting any of the call forward options there will be a short delay while the phone asks the network for the current setting.

Forward Voice Calls

This option will allow you to set your phone to *Forward When Unavailable*, *Forward All Voice Calls* or *Detailed Forwarding*.

Forward When Unavailable

This option will enable you to forward all incoming Voice calls to a single number, whenever your phone is unavailable.

The option has two settings, On or Off.

If you change the setting to On, you will be asked to enter a forwarding phone number using the digit keys.

☞ *Setting "Forward When Unavailable" to On will have the same effect as setting all "Detailed Forwarding" options to On.*

☞ *When On, Forward When Unavailable takes priority over detailed forwarding settings.*

MENU

Forward All Voice Calls

This option will enable you to *unconditionally* forward all incoming Voice calls to a single number.

The option has two settings, On or Off.

If you change the setting to On, you will be asked to enter a forwarding phone number using the digit keys.

☞ *When* On*, Forward All Voice Calls takes priority over all other Voice call forwarding settings.*

Detailed Forwarding

These options will enable you to forward Voice calls to different numbers, depending upon the current status of your phone.

Each of the following detailed forwarding options operate in the same way.

Each option has two settings, On or Off.

If you change the setting to On, you will be asked to enter a forwarding phone number using the digit keys.

☞ *Detailed forwarding settings are ignored while Forward All Voice Calls or Forward When Unavailable are* On.

If Busy

This option will forward incoming calls if your phone is busy.

If Not Reachable

This option will forward incoming calls if your phone cannot be contacted by the network.

If No Answer

This option will forward incoming calls if you do not answer the call.

Forward Fax Calls

This option will enable you to forward all Fax calls to a single number.

The option has two settings, On or Off.

If you change the setting to On, you will be asked to enter a forwarding phone number using the digit keys.

Forward Data Calls

This option will enable you to forward all Data calls to a single number.

The option has two settings, On or Off.

If you change the setting to On, you will be asked to enter a forwarding phone number using the digit keys.

Cancel All Forwarding

This option will enable you to cancel the forwarding of incoming calls.

! *This option resets all forwarding settings to* Off *and removes all forwarding numbers.*

OK *Call Holding and Call Waiting*

Your phone supports the PCS network options of Call Holding and Call Waiting.* Using these options, you can place a current phone call on hold and accept an incoming call or start a second call.

* *Network and/or subscription dependent feature. Not available in all areas.*

The Call Waiting menu item has two settings, On or Off. If you select Off, you will not be notified of waiting calls. The person trying to contact you will either receive a busy tone or be forwarded if Detailed Forwarding - If Busy is activated.

OK *Call Barring*

Call barring is a network feature which can be used to selectively bar outgoing and incoming calls.

If you change the barring setting, you may be asked to enter your barring password. There will be a short delay while the phone notifies the network of the new setting. When the change has been made by the network, the phone will display a confirmation message.

The *initial* password will be supplied to you by your Service Provider when you subscribe to this service.

☞*This option may be affected by the Fixed Dialing setting.*

Bar Outgoing Calls

After selecting this option, there will be a short delay while the phone asks the network for the current setting.

Int'l Calls

When selected, this option will bar outgoing international calls.

Int'l Calls Except Home

When selected, this option will bar outgoing international calls, except those to your home country.

All Calls

When selected, this option will bar all outgoing calls, except emergency calls.

Off

When selected, this option will disable all call barring for outgoing calls.

Bar Incoming Calls

After selecting this option, there will be a short delay while the phone asks the network for the current setting.

When Roaming

When selected, this option will bar incoming calls when you are roaming.

You may wish to select this option, as some Service Providers charge an additional fee for receiving calls when you are roaming.

All Calls

When selected, this option will bar all incoming calls.

Off

When selected, this option will disable all call barring for incoming calls.

Cancel All Barring

This option can be used to set all Call Barring options to Off.

Change Bar Password

This option can be used to change the call barring password.

After selecting this option, you will be asked to enter the current password.

You will then be asked to enter, and then re-enter, your new, **4 digit**, barring password. When the change has been made by the network, the phone will display a confirmation message.

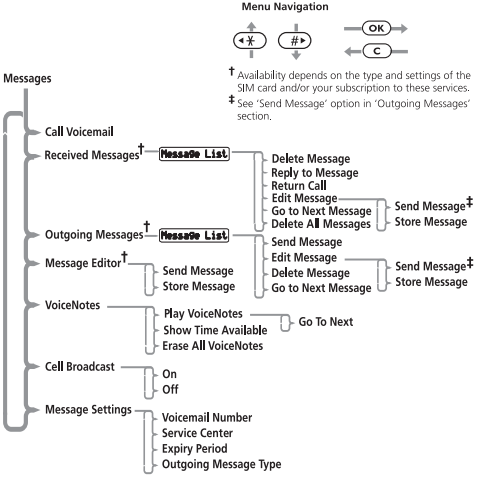
Key Answer Only

This feature has two options: On or Off.

When set to On, this feature allows the flip to be opened without answering an incoming call. The call can be answered by pressing an appropriate key (OK, 1 to 9 WXYZ, * or #), To reject the call press C).

When set to Off, opening the flip answers an incoming call.

Messages Menu



Your phone supports the two GSM message features: Short Message Services (SMS) and Cell Broadcast.

SMS Messages

These are text messages that are sent specifically to and from your phone number.

When an SMS message is received, your phone:

1. Makes three short alert tones (depending on the 'Ring or Vibrate' setting).
2. Displays the ✉ (messages) icon.
3. Stores the message for later viewing, if there is space. If there is not enough space, the ✉ icon will flash. One or more messages must be removed before the message can be stored.

Your Service Provider will transmit a message for a limited time. If a memory location is not made available before the message is removed from the network, then you will not be able to receive or read it.

4. Message will then be displayed with the prompt; Read Now?.
5. If (OK) is pressed, the phone will enter the Received Messages browser and immediately display the new message.
6. If (C) is pressed the phone will return to the screen which was displayed prior to receipt of the message.
7. If any other key is pressed it will perform the function linked with that key.
8. If no key is pressed the display will time-out after 1 minute and return to the screen which was displayed prior to receipt of the message.

Cell Broadcast Messages

These are general messages, broadcast to a group of phones, and can only be received when your phone is in standby mode.

These messages are broadcast in numbered 'channels' and, in general, each channel will tend to carry one particular type of information.

Typical cell broadcast channels could have information on local weather conditions, traffic reports or stock market prices. Please contact your network operator for a list of available channels.

When the message has scrolled across the display, the beginning of the message will be shown until you either remove it or a new message arrives.

How to Read SMS Messages

You can use the scroll keys (◄✱ and #►) to scroll through messages in either the Received Messages or Outgoing Messages lists.

To display a specific message, enter the message number, for example, press 5 jkl to display the 5th message. If the message does not exist, `Invalid Msg Number` will be displayed.

Alternatively, to display the next message, press OK and select `Go To Next Message`.

How to Create and Edit SMS Messages

Use the *Message Editor* to create or modify text messages. When you enter the editor, the last message that was edited will be displayed. Press and hold C to clear the message and start a new one, or modify the message displayed. For an explanation of how to enter text, see 'How to Enter Alphabetic Characters'.

Press OK once you have completed your message. You will then be presented with the following options:

`Send Message` - If you select this option you will be prompted for a phone number; enter the number and then press OK to send the message.

Dialing prefixes and area codes may be required.

`Store Message` - Select this option to store your edited message in your Outgoing Messages list.

If you don't store the message after it has been edited, you will lose all your changes as soon as you select another message to be edited.

OK *Call Voicemail*

↑ 4 ghi *to call voicemail*

This option will make a call to the current voicemail number.

The voicemail number is entered using the 'Voicemail Number' option in the Message Settings menu.

OK *Received Messages*

This option is used to view and manage any SMS messages that have been sent to your phone number.

When selected, this option will display a message indicating the total number of messages and how many of these are new. If there are no messages, No Messages will be displayed.

If there are messages, the new messages will be displayed first, followed by the old. Repeated presses of the MENU key will display the whole message, when it was sent and the phone number of the sender if available.

Once you have read a new message it will automatically become old.

See 'How to Read SMS Messages' for more information on navigating through the messages.

Press OK when viewing any message to enter the sub-menu.

Delete Message

This option will delete the currently viewed message

Reply to Message

This option allows you to reply with a message.

Return Call

This option can be used to call the person who sent you the message, if their number has been included by the network, or a number that has been included in quotes (" ") in the message.

Edit Message

This option allows you to use the Message Editor to edit the selected message and then to either send the modified message and/or store it in your Outgoing Messages list. See 'How to Create and Edit SMS Messages' for more information on using the Message Editor.

Go to Next Message

This option will display the next received message.

If you are currently reading the last message in your list then this option will take you back to the top of the list.

Delete All Messages

This option allows you to delete all received messages whether they have been read or not.

Once deleted, messages are NOT retrievable.

iTAP™

Availability depends on your subscription to these services.
To turn iTAP™ on, select Phone Setup from the Options Menu and press OK. Select Entry Method Selection and press OK. Use the ↕ key to select iTAP™ and press OK.

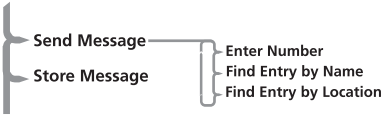
Outgoing Messages

This option is used to view and manage any outgoing messages. These messages will be stored on your SIM card. When you select this option, the total number of messages will be displayed followed by the first message in the list.

You cannot send an outgoing message until the Message Service Center number has been set. See 'Message Settings'.

Press (OK) when viewing any message to enter the sub-menu. See 'How to Read SMS Messages' for more information on navigating through the messages.

Send Message



This option allows you to add the destination phone number using a sub-menu. Using the scroll keys you can select:

Enter Number - this allows you to manually enter the phone number using the keypad and send the message.

Find Entry by Name - this allows you to recall a phone number from the Phone Book by name and send the message (see 'Find Entry by Name' in the 'Phone Book' section).

Find Entry by Location - this allows you to recall a phone number from the Phone Book by location and send the message (see 'Find Entry by Location' in the 'Phone Book' section).

Edit Message

This option allows you to use the Message Editor to edit the selected message and then to either send the modified message or store it in your Outgoing Messages list. See 'How to Create and Edit SMS Messages' for more information on using the Message Editor.

Delete Message

This option will delete the currently viewed message.

Go to Next Message

This option will display the next outgoing message.

Message Editor

(↑) (7PQRS) *to access Message Editor*

The Message Editor is used to edit the currently selected message and then to either send the modified message or store it in your Outgoing Messages list. See 'How to Create and Edit SMS Messages' for more information on using the Message Editor.

VoiceNotes

The VoiceNotes feature allows you to record a number of personal voice messages or to record conversations during a phone call. See ***Using VoiceNotes*** for more information.

Play VoiceNotes

This option allows you to play your VoiceNotes. Press (*) or (#) to scroll through the VoiceNotes. Press (OK) while a VoiceNote is playing to go to the next VoiceNote.

Show Time Available

This option displays the amount of time available for you to record your VoiceNotes.

Erase All VoiceNotes

This option allows you to delete all your VoiceNotes.

Cell Broadcast

This option is used to set the cell broadcast settings. The option has two settings, On or Off.

If you change the setting to On, you will be asked to enter the channel you wish to receive information from.

Please contact your Service Provider for a list of available channels and the information they provide.

While a broadcast message is scrolling across the display you can stop and start it by pressing (*). Press (#) to restart the message from the beginning. If you want to remove the message from the display, press (C).

If you need to use the (*) and (#) keys for their normal functions while you are receiving a cell broadcast message, you must first remove the message.

Message Settings

Voicemail Number

This option is used to store a phone number which will be used by the 'Call Voicemail' option. The number can be manually entered or read automatically from your SIM card (depending on your Service Provider).

If there is already a Voicemail Number, this will be shown in the display. This can be used, modified or deleted as desired.

Service Center

Before you can send any messages, you must check this option to ensure you have a Message Service Center Number. Normally, this will be read from your SIM card. If no number is available, contact your Service Provider.

Expiry Period

You can use this option to specify the maximum time, in hours, that your unforwarded messages are to remain with the Message Service Center before being deleted. When you select this option, the current expiry period will be displayed (the default is 24 hours).

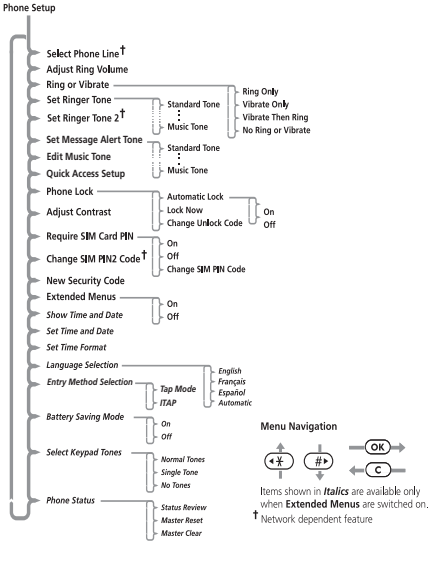
The maximum value you can enter is 10584, though the real limit will depend on your Message Service Center.

Outgoing Message Type

This option is network dependent and can be used to specify the format of your outgoing messages. You can select from the following message types: Text (default), Fax, Paging, E-Mail or Voice.

☞ *You do not need to select* Voice *to send messages to Voicemail boxes.*

Phone Setup Menu



Select Phone Line

This option allows you to switch between Line 1 and Line 2.

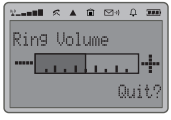
Availability depends on the type and settings of the SIM card, and/or your subscription to this feature.

Adjust Ring Volume

↑ then press the volume buttons (up or down)

This option is used to set the incoming call ring tone volume.

The volume will be displayed as follows:



Adjust the volume by pressing the volume buttons on the side of your phone.

OK *Ring or Vibrate*

This option sets the way your phone alerts you to an incoming call. The options are:

- `Ring Only` - the phone will ring with the tone specified by the Set Ringer Tone option.
- `Vibrate Only` - the phone will vibrate using VibraCall™.
- `Vibrate Then Ring` - the phone will vibrate twice and then ring.
- `No Ring or Vibrate` - the phone will just display the `Call` message.

☞ *The setting you choose also defines the type of alert for an incoming SMS message (except that if you select Vibrate Then Ring, your phone will just vibrate).*

OK *Set Ringer Tone*

This option sets the tone your phone will make when an incoming call is received on Line 1.

Standard Tone

Your phone makes a standard ringing tone.

Single Ring Tone - Music Tone

When selected, your phone will produce one of these alternative ringer tones.

☞ *If you select the Single Ring Tone option, the phone will only ring once when a call is received.*

OK *Set Ringer Tone 2*

This option sets the tone your phone will make when an incoming call is received on Line 2.

☞ *This option will not appear if you do not subscribe to Line 2.*

OK *Set Message Alert Tone*

This option sets the tone your phone makes when it receives an SMS message.

Standard Tone

Your phone makes a standard SMS alert tone.

Single Ring Tone - Music Tone

When selected, your phone will produce one of these alternative SMS alert tones.

☞ *If you select the Single Ring Tone option, the phone will only ring once when it receives an SMS message.*

Edit Music Tone

Select this option to create your own music tone. Your phone prompts you with `Edit Music:`. Use your phone keypad to enter the musical notes. See ‘Entering Text on Your Phone’.

The first character sets the overall speed of the music, from 1 (slow) to 4 (fast). You must leave a space between the speed character and the rest of the music. You must also leave a space between each note. Each music tone can have a maximum of 35 notes.

To enter notes, use the note's letter abbreviation (A to G, or R for "Rest"), followed by # if the note is a sharp. To make the note an octave higher or lower, put a + or a - directly after the note.

Unless you specify otherwise, each note is a quarter note which sounds for one beat. To specify the length of the note, put a number from 1 to 8 directly after the note's letter. The higher the number, the longer the note will last.

When you finish editing the music tone, press (OK). You can then select Play Music, Save Music, or Erase Music.

Quick Access Setup

This option allows you to do the following:

- Customize your Quick Access menu.
- Set up and change the Voice Tag allocation for the Quick Access features.

For more information, see ***Voice Control for Quick Access Features***.

Phone Lock

This option is used to set, and change, the unlock code.

The unlock code can be set to protect your phone from unauthorized use. It can be set to automatically lock your phone each time it is switched on.

The unlock code is a four digit number which is set at manufacture to **1234**. This can be changed at any time by using the 'change unlock code' option.

Automatic Lock

This option can be used to automatically lock your phone each time it is switched on. The option has two settings, On or Off.

Lock Now

This option can be used to immediately lock your phone. Once selected, your phone will be unusable until the unlock code is entered.

Change Unlock Code

This option is used to change the unlock code.

After selecting this option, you will be asked to enter the current security code before you can proceed.

You can now enter a four digit code to replace the old code.

By pressing the (MENU) key, you can access this option even when the phone is locked.

Adjust Contrast

This option is used to adjust the screen contrast.

The contrast is displayed as follows:

Adjust the contrast by pressing (*) or (#) on the keypad.

Pressing (OK) or (C) on the keypad will end the contrast adjustment.

Require SIM Card PIN

This option is used to set, and change, the PIN code.

The PIN code can be set to protect your SIM card from unauthorized use. If set to `On`, access to your SIM card will be restricted each time it is inserted or the phone is turned on.

The option has two settings, `On` or `Off`.

If the SIM card does not support PIN code disabling, these items will not appear.

Change SIM PIN Code

This option is used to change the SIM card PIN code.

The 'Require SIM Card PIN' option must be set to `On` and you must enter the old PIN code before you can proceed.

You will be asked to enter a new, four to eight digit code to replace the old PIN code. The new PIN code must be entered again as confirmation.

If the PIN number is entered incorrectly three times in a row, your SIM card will automatically lock up and the `Blocked` ***message will be displayed.***

Unblocking Your Phone

If you receive the `Blocked` message you will need to enter an unblock code and key sequence before you can use the phone.

The 8-digit PIN unblocking code will have been provided with your SIM card by your Service Provider.

Enter the following key sequence to unblock your phone:

(*) (*) 0 + 5 JKL (*) **Unblock Code** OK
New PIN Code OK **New PIN Code** OK

The new PIN code must contain four to eight digits.

If this operation is performed incorrectly 10 times in a row, your SIM card will become permanently blocked.

Change SIM PIN2 Code

This option is used to change your PIN2 security code.

When you select this option you must enter the old PIN2 security code before you can proceed.

You will be asked to enter a new, four to eight digit code to replace the old PIN2 security code. The new PIN2 security code must be entered again as confirmation.

If the PIN2 security code is entered incorrectly three times in a row, the `Blocked` ***message will be displayed.***

When the `Blocked` message is displayed, you are not allowed access to menu items that require you to enter the PIN2 code, for example, 'Set Up Fixed Dialing' and 'Call Charge Settings'.

If you receive the `Blocked` message when you try to enter your PIN2 code, you will need to unblock and change the code using the following key sequence:

(*) (*) 0 + 5 JKL 2 ABC (*) **Unblock Code** OK
New PIN2 Code OK **New PIN2 Code** OK

The 8-digit unblocking code will have been provided with your SIM card by your Service Provider.

If the PIN2 unblocking operation is performed incorrectly 10 times in a row, your PIN2 code will become permanently blocked.

OK *New Security Code*

The security code is used to control access to security and other options within the menus.

This option is used to change the security code, which is set by Motorola to **000000**.

Once selected, you will be asked to enter the current security code before you can proceed.

You will then be asked to enter a new, six digit code to replace the old security code.

☞ *In order to safeguard your phone, you should change your security code from the factory setting as soon as possible.*

OK *Extended Menus*

This option is used to switch the extended menus on or off.

If the extended menu option is switched off, you will not be able to access any of the extended features.

The option has two settings, `On` or `Off`.

Show Time and Date

When selected, this option displays the time and date until any key is pressed.

OK *Set Time and Date*

This option is used to set the time and date. You will be prompted to `Enter Time` - the time must be entered in 24-hour format. You will then be prompted to `Enter Date`.

OK *Set Time Format*

This option is used to set the clock to either 12-hour or 24-hour format.

OK *Language Selection*

This option is used to change the language for display messages.

The option has multiple settings of Automatic, English, French and Spanish.

When you select a language, all further display prompts and help messages will be in the selected language.

Entry Method Selection

This option allows you to select the default entry method for editing text on your phone. Press (MENU) to display each of the available options. Then press (OK) to select the entry method you require.

☞ *If iTAP does not support the current language set up for your phone, then only Tap is available. Your phone displays* `Not Available` *when you press* (MENU).

See ***Entering Text on Your Phone*** in ***The Phone Book Menu***.

Battery Saving Mode

This option can help you to conserve battery power. Also known as DTX (Discontinuous Transmission), this feature will cause your phone to operate at reduced power when you are not talking.

The option has two settings, `On` or `Off`.

OK *Select Keypad Tones*

This option allows you to change or disable tones you hear when you press a key.

The option has three settings, `Normal Tones`, `Single Tone` or `No Tones`.

Phone Status

Status Review

This option can be used to view the current setting of menu options.

When selected, your phone will display a list of menu items which have been changed from the default setting. Press the MENU key to view the next item.

Master Reset

! This option should be used with extreme caution.

This option is used to restore certain phone options to their original settings.

When selected, you will be asked to enter the security code. Once entered, the master reset option will perform the following operations:

- Cancel Automatic Answer, Audible Call Timers, In-Call Display Meter, Battery Save (DTX), Auxiliary Alert, Automatic Handsfree, Automatic Lock, Cell Broadcast and Talk and Fax Mode.
- Return Language Selection to Original.
- Restore Keypad Tones to Normal, Ringer Tones to Standard, Volume Level to Medium and Network Search frequency to Medium.
- Restore Extended Menus to their default settings.
- Erase all recorded VoiceNotes.
- Erase all recorded Voice Tags.

Master Clear

! This option should be used with extreme caution; for example, it will clear all the Phone Book entries from your phone memory.

This option is used to restore certain phone options to their original settings.

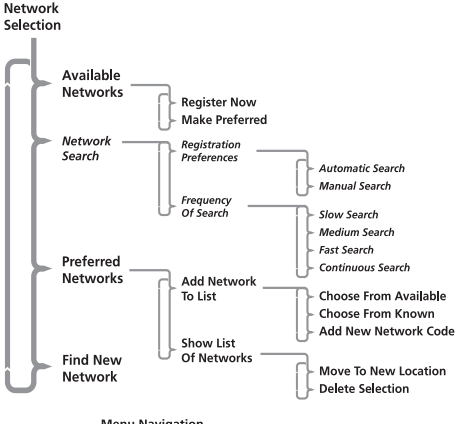
When selected, you will be asked to enter the security code. Once entered, the master clear option will perform the same operations as 'Master Reset', plus the following operations:

- Clear the Phone Book entries from phone memory (not from SIM memory)
- Clear the Last Calls Made and Last Calls received list
- Clear the Message Editor
- Reset the Resettable Call Timers.

Master Clear does **not** clear the:

- Fixed Dial list
- My Number(s) list
- Charge Meters
- Received and Outgoing Messages list
- Voicemail number
- SMS Service Center number
- Lifetime timer.

Network Selection Menu



Items shown in ***Italics*** are available only when **Extended Menus** are switched on.

Network Selection

In order for the phone to make and receive phone calls, it must register with one of the available networks.

Your phone automatically searches for the last network used. If, for any reason, this network is unavailable, your phone will attempt to register with a new network.

When your phone needs to register with a new network, it will generate a sorted list of networks. The network list is sorted in the following order:

- Last Registered Network.
- The Home network.
- GSM 1900 Networks from a preferred list.
- A random list of other networks found above a certain signal strength.
- All remaining GSM 1900 networks.

Any forbidden networks that are stored on your SIM card will not be included in the sorted list.

Available Networks

When selected, this option will scan to see which networks are operating in your current location. When the scan is complete, press the (MENU) key to scroll through the list. When you see a network you wish to register with or store in your preferred list, press the (OK) key. You will now enter the 'Register Now' and 'Make Preferred' sub-menu.

Register Now

Once selected, your phone will try to register with the selected network. If the registration fails, your phone will try to register in the normal way.

Make Preferred

Once selected, you will be asked where the selected network is to be located in the preferred list.

Network Search

These options determine how often your phone tries to register with a network and how the attempt is made.

Registration Preferences

This option determines how the phone tries to register with a network.

The option has two settings, `Automatic Search` or `Manual Search`.

Automatic Search Mode

In the automatic mode, the phone will try to register with the first network in the sorted list. If this is successful, your phone will display the network name and then enter the standby mode.

If registration is unsuccessful with one network in the list, your phone will try the next listed network. If your phone fails to register with any of the listed networks, it will start at the beginning of the list after a preset period. The preset period is determined by the 'Frequency Of Search' option.

Manual Search Mode

In the manual mode, the phone will present you with the sorted list of networks. Use the (◄✱), (#►) and (OK) keys to select one network from the list. Your phone will try to register with the selected network. If this is successful, the phone will display the network name and then enter the standby mode.

If registration is unsuccessful, your phone will present the list again after a preset period. The preset period is determined by the 'Frequency Of Search' option.

Frequency of Search

This option is used to determine how long your phone waits before attempting to re-register after a registration attempt has failed.

The option has the following settings: `Slow Search`, `Medium Search`, `Fast Search` or `Continuous Search`.

! Fast and Continuous Search may use up a significant amount of battery power.

OK *Preferred Networks*

Add Network to List

This option enables you to add networks to your preferred list.

When selected, the 'Choose From Available' option will scan to see which networks are operating in your current location. When the scan is complete, press the MENU key to scroll through the list. When you see a network you wish to store in your preferred list, press the OK key. You will be asked where the selected network is to be located in the preferred list.

The 'Choose From Known' option will, when selected, present you with a preset list of networks. Press the MENU key to scroll through the list. When you see a network you wish to store in your preferred list, press the OK key. You will be asked where the selected network is to be located in the preferred list.

Select the 'Add New Network Code' option to enter network codes directly. Once entered, you will be asked where the network is to be located in the preferred list.

Show List of Networks

This option is used to display the networks you have stored in your preferred list. In addition, pressing the OK key will select the currently displayed entry and enter a move/delete sub-menu.

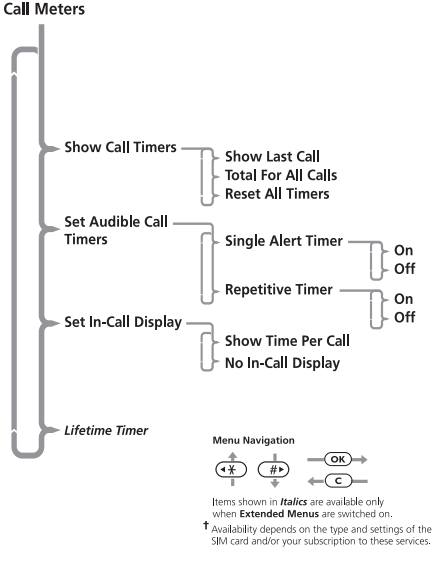
When 'Move to New Location' is selected you will be asked to enter a new location for the selected network.

When selected, 'Delete Selection' will remove the selected network from the preferred list.

Find New Network

When selected, the phone will try to register with a network in the normal manner, with one exception. When the registration attempt is made, your current network will be excluded from the list of those available. If the attempt fails, your phone will then try to re-register with the previous network.

Call Meters Menu



Call Metering

Your phone has an internal metering system which can be used to provide you with individual and total call time.

The meter can be displayed during a phone call and audible tones can be generated to indicate the passage of call time.

Show Call Timers

This feature allows you to display the duration of your calls and to reset your time meters to zero.

Show Last Call

Displays the duration of your last call.

Total For All Calls

Displays the duration of all your calls since the time meter was reset to zero using the 'Reset All Timers' option.

Reset All Timers

Sets the resettable time meters to zero. The Lifetime Meter is not resettable.

OK *Set Audible Call Timers*

Your phone provides two programmable audible call timers:

- The 'Single Alert Timer' will sound a beep just once during a call, after a preset time has elapsed.
- The 'Repetitive Timer' will sound regular beeps during a call, at preset intervals.

In both cases, the timers will sound their beeps ten seconds before the end of the programmed time.

Set In-Call Display

This feature allows you to specify whether the time or charge meters are displayed during a call. If you do not have the Advice of Charge service, then only the time meter is available.

☞*If a total charge limit has been set, then the in-call display always shows your remaining credit.*

No In-Call Display

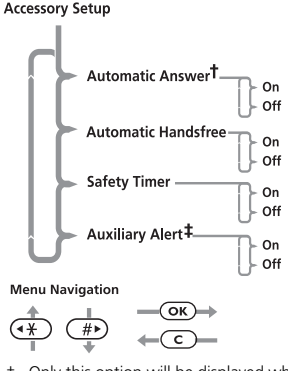
This option switches off in-call display of the charge/time meter.

Lifetime Timer

This option is used to display the total time of all calls made on your phone.

This meter cannot be reset; the `Reset All Timers`, `Master Reset` or `Master Clear` options have no effect.

Accessory Setup Menu



† Only this option will be displayed when the headset accessory is attached.

‡ Availability depends on the type of car kit installed.

The accessory setup menu is only visible when your phone is used with a car kit or when a headset accessory is used.

The car kit provides charging facilities, connection to an external antenna for better reception, external microphone and speaker for handsfree operation, and an external handset with hang-up cup.

Automatic Answer

This option allows your phone to automatically answer an incoming call after two rings.

This option has two settings, On or Off.

Automatic Handsfree

Determines whether incoming or outgoing calls are started in handsfree or private mode. When set to On, calls will start in handsfree mode, even when the external handset is out of the hang-up cup. When set to Off, calls will start in private mode when the external handset is out of the hang-up cup.

Safety Timer

This option can be used to keep the phone on for a set period after the vehicle ignition has been turned off. This prevents the vehicle's battery from becoming drained and saves you from having to re-enter PIN and Unlock codes after every short stop.

The 'Safety Timer' is set to 60 minutes. Once selected, this option can be adjusted to any value between zero and 999 minutes. When set to zero, this option is effectively switched off.

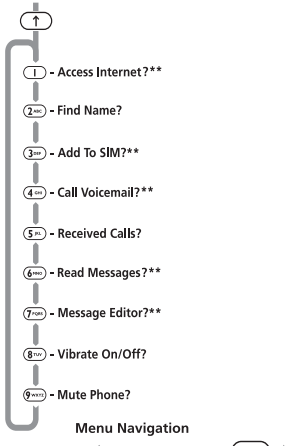
☞ *If the Safety Timer is set to zero, the phone, while connected to the car kit, will operate only in conjunction with your vehicle's ignition. If the ignition is off and you press the phone's power key, the phone will power up momentarily and then immediately power down.*

Auxiliary Alert

This option allows your phone to alert you of an incoming call by flashing your vehicle lights, or by sounding the horn. It must be enabled by your local dealer.

☞ *Some local regulations prevent the use of this option and, accordingly, this option may not be present on your phone.*

Using the Quick Access Menu



** Network and/or subscription dependent feature. Not available in all areas.

The menu shown above represents the default setting supplied with your phone.

Although the features in your phone are available through easy access menus, some of the most commonly used features are also available in the quick access menu. Each feature in the menu is allocated a number from 1 to 9.

To use a quick access feature, press the quick access key (↑) followed by the number of the feature, or press ◄* or #► to scroll through the menu and then press OK.

You can change the features, and the positions of the features, available in the quick access menu - see 'Customizing the Quick Access Menu'.

Each quick access feature is represented by an icon as well as the feature name. The currently selected icon is shown with a dark background.

Access Internet?

This is a network and subscription dependent feature. Contact your service provider for details about the mobile internet services based on the WAP (Wireless Application Protocol) technology that they provide.

Use this option to start your mobile internet session. See ***Access Internet*** for more information.

Find Name?

↑ 2ABC

You will be prompted to Enter Name. Enter the first three characters of the name and press OK. The first matching entry in the Phone Book will be displayed. Press OK to call the number.

Received Calls?

↑ 5 JKL

Displays the first entry in the Last Calls Received list. You can scroll through the list and call the numbers as normal. See 'Last Calls Received' for more information.

Read Messages?

↑ 6 MNO

You will be prompted to enter a phone number and then a name.

If you already had a number displayed, it will automatically be re-displayed when you select this feature.

The number will be stored in the next available SIM card location. See 'Add Entry' for more information.

Message Editor?

↑ 7 PQRS

Your newest message will be displayed; you can then read, delete and edit messages as normal. See 'Received Messages' for more information.

Vibrate On/Off?

↑ 8 TUV

The VibraCall™ alert will be switched either on or off depending on the current setting. If the VibraCall™ alert is switched on, the 'Ring or Vibrate' setting changes to `Vibrate Only`. If it is switched off, the 'Ring or Vibrate' setting changes to `Ring Only`. See 'OK Ring or Vibrate' for more information.

Mute?

↑ 9 WXYZ

This option allows you to have a conversation without the person on the line being able to hear you.

Last Call Timer?

Your phone has an internal metering system which will allow you to display the duration of your last call. (Example: `00:00:50` – call lasted 50 seconds.)

You must have defined a Voicemail number in order to use this feature.

See 'Call Voicemail' for more information.

Battery Meter?

A bar graph indicating the approximate battery charge level will be displayed. The more bars displayed, the greater the charge level.

See 'Show Battery Meter' for more information.

Lock Now?

Immediately locks your phone; you will not be able to use your phone until the unlock code is entered. See 'Phone Lock' for more information.

Play VoiceNotes?

Plays the recorded VoiceNotes. See ***Using Voice Control*** for more information.

Last Calls Received?

Unconditional voice call forwarding will be switched either on or off depending on the current setting. This will allow Fax and Data forwarding to remain enabled independent of the Voice Call Forwarding setting.

You must have defined a forwarding number using the 'Forward All Voice Calls' option in the Call Forwarding menu in order to use this feature.

You cannot switch call forwarding on or off if you are outside network coverage.

Find Location?

You will be prompted to `Enter Location`. Enter the location number and press (OK). The first matching entry in the Phone Book will be displayed. Press (OK) to call the number.

Add to Phone Book?

You will be prompted to enter a phone number and then a name.

If you already had a number displayed, it will automatically be re-displayed when you select this feature.

The number will be stored in the next available phone memory location. See 'Add Entry' for more information.

Mute Phone?

Temporarily turns the microphone off during a phone call. Reselect this option to resume your conversation.

Switch Memory?

Switches one-touch dialing between the phone and SIM memories depending on the current setting.

Outgoing SMS?

Your newest message will be displayed; you can then read, send, delete and edit messages as normal. See 'Outgoing Messages' for more information.

Message Editor?

The last message that was edited will be displayed. Press and hold (C) to clear the message and start a new one, or modify the message displayed. See 'How to Create and Edit SMS Messages' for more information.

Call Timer?

Displays the duration of your last chargeable call. See 'Show Call Timers' for more information.

Restrict My ID?

Your phone number will not be sent with the next attempted call; after this your phone number will be sent until you reselect this option.

Switch Line 1/2?

Availability depends on the type and settings of the SIM card, and/or your subscription to this feature.

Allows you to switch between Line 1 and Line 2.

Show Services?

Availability depends on the type and settings of the SIM card, and/or your subscription to this feature.

Displays a list of phone numbers and services provided by your Service Provider.

Show Time/Date?

Displays the current time and date.

Find New Network?

Allows you to quickly search for a new network.

Adjust Contrast

Allows you to adjust the screen contrast.

My Motorola?

Use this option to start your mobile internet session and access the *MyMotorola.com* web site. See ***Access Internet*** for more information.

Customizing the Quick Access Menu

You can change the features in the quick access menu to suit your personal preferences.

To customize the menu:

1 Press ↑ and scroll to the menu item you wish to change.

2 Press and hold OK to access the list of features available. The currently selected feature will be displayed.

3 Scroll through the list until you find the feature you wish to store in the quick access menu; press OK.

4 `Completed` will be displayed to confirm that the feature has been stored.

The items in the quick access list will appear in the following order:

- Access Internet **
- My Motorola
- Find by Name
- Find by Location
- Add Entry to Phone
- Add Entry to SIM
- Call Voicemail[1]
- Battery Meter
- Phone Lock Now
- Phone Mute On or Off
- Ring Volume
- VibraCall On or Off
- Switch Memory
- Read Messages[1]
- Outgoing Messages[1]
- Message Editor[1]
- Last Calls Received
- Last Call Timer
- Show Time and Date
- Restrict My ID
- Find New Network
- Switch Lines 1/2
- Play VoiceNotes
- Show Services[1]
- Forward Voice Call[1]
- Adjust Contrast

1. Availability depends on the type and settings of the SIM card, and/or your subscription to this feature.

*** Network and/or subscription dependent feature. Not available in all areas.*

Optional Accessories

The following Motorola Original accessories have been designed to work with your phone. Additional accessories may be available and are packaged separately. Please refer to your local service provider or retail outlet for more information.

Desktop Charger

The Desktop Charger allows you to charge a battery fitted in a phone and a spare battery at the same time. Sequential LEDs indicate charge status for each pocket.

☞ *The Desktop Charger must be used with the Power Adapter.*

Power Adapter

The Power Adapter (charger) connects to the Desktop Charger or directly to the phone. When connected directly to the phone, it charges the battery and also provides dead battery operation.

Vehicle Power Adapter

The Vehicle Power Adapter connects to your phone and allows you to charge your phone's battery while driving*. When the phone is in use, the adapter overrides the battery therefore preserving battery life. The adapter also provides dead battery operation.

Headset

For convenient handsfree operation.

Personal Handsfree System

The Personal Handsfree System allows you to use your phone handsfree.

Leather Carrying Case

The Leather Carrying Case holds the phone while being worn on your belt.

Plastic Holster

The Plastic Holster holds the phone while being worn on your belt.

☞ *Your phone must be inserted into the plastic holster correctly for maximum protection.*

☞ *This holster has been designed for your convenience and is not meant to secure your phone under all circumstances.*

Vehicle Handsfree System

This system includes a phone holder and battery charger, and provides handsfree operation. It also includes the facility to store up to 20 names and numbers that can be called using voice commands.

! *A GSM 1900 mhz antenna should be specified when installing a Vehicle Handsfree System.*

☞ *This accessory requires professional installation.*

* *The use of wireless devices and their accessories ("devices") may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these devices.*

You can't switch your phone on	*Check the battery.* Is it charged, properly fitted and are the contacts clean and dry? See 'Important Battery Information'.
You can't make calls	*Check the signal strength meter in the display.* If the signal is weak, move to an open space or, if you are in a building, move closer to a window. *Check if your phone is powered on*. *Check the Network Selection settings.* Try Manual Selection, or try another network. See 'Network Search'. *Check your Operator coverage map*. *Is* Restricted *displayed?* Check the Call Barring and Fixed Dialing settings. *Has a new SIM card been inserted?* Check that no new restrictions have been imposed.
You can't receive calls	*Check the signal strength meter in the display.* If the signal is weak, move to an open space or, if you are in a building, move closer to a window. *Check the Call Forwarding and Call Barring settings.* *Check the Ringer and VibraCall™ alert settings*. If both are off, there is no audible alert. See 'OK Ring or Vibrate'.
Your phone won't unlock	*Have you inserted a new SIM card?* Enter the new PIN code. See 'Entering Your SIM Card PIN Code'. *Do you have a replacement phone?* Enter the default phone unlock code - 1234. *Have you forgotten the unlock code?* Press (MENU) to change the unlock code (you will need your security code).
Your PIN is blocked	*Enter the PIN unblocking code supplied with your SIM card (see 'Unblocking Your Phone').*
Your PIN2 is blocked	*Enter the PIN2 unblocking code supplied with your SIM card (see 'Change SIM PIN2 Code').*
Your SIM card won't work	*Is the card inserted properly? See 'SIM Card Insertion/Removal'.* *Is the gold chip visibly damaged or scratched?* Return the card to your Service Provider. *Check the SIM contacts.* If they are dirty, clean them with an antistatic cloth.

The battery won't charge	*Check the charger.* Is it properly connected? Are its contacts clean and dry? See 'Your Battery'. *Check the battery contacts.* Are they clean and dry? *Check the battery temperature.* If it is warm, let it cool before recharging. *Is it an old battery?* Battery performance will decline after several years use. Replace the battery. *Are you using a Motorola original battery?* Your charging system may not be able to communicate with your battery. See '***Your Battery***'.
The battery icon and meter are missing	*Are you using a Motorola original battery?* Your charging system may not be able to communicate with your battery. See '***Your Battery***'.
The battery drains faster than normal	*Are you in an area of variable coverage?* This uses extra battery power. *Is it a new battery?* A new battery will need two to three charge/discharge cycles to attain normal performance. See 'Charging a New Battery'. *Is it an old battery?* Battery performance will decline after several years use. Replace the battery. *Is it a battery that hasn't been completely discharged?* Allow the battery to fully discharge (until the phone turns itself off) and then charge the battery overnight. *Check that the Frequency Of Search feature in the Network Selection menu has not been set to* Fast *or* Continuous. *See 'Network Search'.* *Check that the Battery Saving Mode feature has not been set to* Off. *Are you using your phone in extreme temperatures?* At extreme hot or cold temperatures, battery performance is significantly reduced.
You can't cancel Call Forwarding or Call Barring	*Wait until you are in an area with good network coverage and try again.*
The ✉ symbol is flashing	*There is not enough memory available to store another SMS message.* Use the Messages menu to delete one or more existing messages.
You can't make international calls	*Some Service Providers automatically bar the ability to make international calls.* Contact your Service Provider. *Have you included the relevant codes?* Press and hold the 0 + key to display the international dialing prefix (+) and then enter the appropriate country code followed by the phone number.

The U.S. Food and Drug Administration's Center for Devices and Radiological Health Consumer Update on Mobile Phones

FDA has been receiving inquiries about the safety of mobile phones, including cellular phones and PCS phones. The following summarizes what is known--and what remains unknown--about whether these products can pose a hazard to health, and what can be done to minimize any potential risk. This information may be used to respond to questions.

Why the concern?

Mobile phones emit low levels of radiofrequency energy (i.e., radiofrequency radiation) in the microwave range while being used. They also emit very low levels of radiofrequency energy (RF), considered non-significant, when in the stand-by mode. It is well known that high levels of RF can produce biological damage through heating effects (this is how your microwave oven is able to cook food). However, it is not known whether, to what extent, or through what mechanism, lower levels of RF might cause adverse health effects as well. Although some research has been done to address these questions, no clear picture of the biological effects of this type of radiation has emerged to date. Thus, the available science does not allow us to conclude that mobile phones are absolutely safe, or that they are unsafe. However, the available scientific evidence does not demonstrate any adverse health effects associated with the use of mobile phones.

What kinds of phones are in question?

Questions have been raised about hand-held mobile phones, the kind that have a built-in antenna that is positioned close to the user's head during normal telephone conversation. These types of mobile phones are of concern because of the short distance between the phone's antenna--the primary source of the RF--and the person's head. The exposure to RF from mobile phones in which the antenna is located at greater distances from the user (on the outside of a car, for example) is drastically lower than that from hand-held phones, because a person's RF exposure decreases rapidly with distance from the source. The safety of so-called "cordless phones," which have a base unit connected to the telephone wiring in a house and which operate at far lower power levels and frequencies, has not been questioned.

How much evidence is there that hand-held mobile phones might be harmful?

Briefly, there is not enough evidence to know for sure, either way; however, research efforts are on-going. The existing scientific evidence is conflicting and many of the studies that have been done to date have suffered from flaws in their research methods. Animal experiments investigating the effects of RF exposures characteristic of mobile phones have yielded conflicting results. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. In one study, mice genetically altered to be predisposed to developing one type of cancer developed more than twice as many such cancers when they were exposed to RF energy compared to controls. There is much uncertainty among scientists about whether results obtained from animal studies apply to the use of mobile phones. First, it is uncertain how to apply the results obtained in rats and mice to humans. Second, many of the studies that showed increased tumor development used animals that had already been treated with cancer-causing chemicals, and other studies exposed the animals to the RF virtually continuously--up to 22 hours per day.

For the past five years in the United States, the mobile phone industry has supported research into the safety of mobile phones. This research has resulted in two findings in particular that merit additional study:

1. In a hospital-based, case-control study, researchers looked for an association between mobile phone use and either glioma (a type of brain cancer) or acoustic neuroma (a benign tumor of the nerve sheath). No statistically significant association was found between mobile phone use and acoustic neuroma. There was also no association between mobile phone use and gliomas when all types of

gliomas were considered together. It should be noted that the average length of mobile phone exposure in this study was less than three years.

When 20 types of glioma were considered separately, however, an association was found between mobile phone use and one rare type of glioma, neuroepithelliomatous tumors. It is possible with multiple comparisons of the same sample that this association occurred by chance. Moreover, the risk did not increase with how often the mobile phone was used, or the length of the calls. In fact, the risk actually decreased with cumulative hours of mobile phone use. Most cancer causing agents increase risk with increased exposure. An ongoing study of brain cancers by the National Cancer Institute is expected to bear on the accuracy and repeatability of these results.

2 Researchers conducted a large battery of laboratory tests to assess the effects of exposure to mobile phone RF on genetic material. These included tests for several kinds of abnormalities, including mutations, chromosomal aberrations, DNA strand breaks, and structural changes in the genetic material of blood cells called lymphocytes. None of the tests showed any effect of the RF except for the micronucleus assay, which detects structural effects on the genetic material. The cells in this assay showed changes after exposure to simulated cell phone radiation, but only after 24 hours of exposure. It is possible that exposing the test cells to radiation for this long resulted in heating. Since this assay is known to be sensitive to heating, heat alone could have caused the abnormalities to occur. The data already in the literature on the response of the micronucleus assay to RF are conflicting. Thus, follow-up research is necessary.

FDA is currently working with government, industry, and academic groups to ensure the proper follow-up to these industry-funded research findings. Collaboration with the Cellular Telecommunications Industry Association (CTIA) in particular is expected to lead to FDA providing research recommendations and scientific oversight of new CTIA-funded research based on such recommendations.

Two other studies of interest have been reported recently in the literature:

1 Two groups of 18 people were exposed to simulated mobile phone signals under laboratory conditions while they performed cognitive function tests. There were no changes in the subjects' ability to recall words, numbers, or pictures, or in their spatial memory, but they were able to make choices more quickly in one visual test when they were exposed to simulated mobile phone signals. This was the only change noted among more than 20 variables compared.

2 In a study of 209 brain tumor cases and 425 matched controls, there was no increased risk of brain tumors associated with mobile phone use. When tumors did exist in certain locations, however, they were more likely to be on the side of the head where the mobile phone was used. Because this occurred in only a small number of cases, the increased likelihood was too small to be statistically significant.

In summary, we do not have enough information at this point to assure the public that there are, or are not, any low incident health problems associated with use of mobile phones. FDA continues to work with all parties, including other federal agencies and industry, to assure that research is undertaken to provide the necessary answers to the outstanding questions about the safety of mobile phones.

What is known about cases of human cancer that have been reported in users of hand-held mobile phones?

Some people who have used mobile phones have been diagnosed with brain cancer. But it is important to understand that this type of cancer also occurs among people who have not used mobile phones. In fact, brain cancer occurs in the U.S. population at a rate of about 6 new cases per 100,000 people each year. At that rate, assuming 80 million users of mobile phones (a number increasing at a rate of about 1 million per month), about 4800 cases of brain cancer would be expected each year among those 80 million people, whether or not they used their phones. Thus it is not possible to tell whether any individual's cancer arose because of the phone, or whether it would have happened anyway. A key question is whether the risk of getting a particular form of cancer is greater among people who use mobile phones than among the rest of

the population. One way to answer that question is to compare the usage of mobile phones among people with brain cancer with the use of mobile phones among appropriately matched people without brain cancer. This is called a case-control study. The current case-control study of brain cancers by the National Cancer Institute, as well as the follow-up research to be sponsored by industry, will begin to generate this type of information.

What is FDA's role concerning the safety of mobile phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as mobile phones before marketing, as it does with new drugs or medical devices. However, the agency has authority to take action if mobile phones are shown to emit radiation at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of mobile phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions at this time, FDA has urged the mobile phone industry to take a number of steps to assure public safety. The agency has recommended that the industry:

- support needed research into possible biological effects of RF of the type emitted by mobile phones;
- design mobile phones in a way that minimizes any RF exposure to the user that is not necessary for device function ; and
- cooperate in providing mobile phone users with the best possible information on what is known about possible effects of mobile phone use on human health.

At the same time, FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of mobile phone safety to ensure a coordinated effort at the federal level. These agencies are:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Health and Safety Administration
- National Telecommunications and Information Administration

The National Institutes of Health also participates in this group.

In the absence of conclusive information about any possible risk, what can concerned individuals do?

If there is a risk from these products--and at this point we do not know that there is--it is probably very small. But if people are concerned about avoiding even potential risks, there are simple steps they can take to do so. For example, time is a key factor in how much exposure a person receives. Those persons who spend long periods of time on their hand-held mobile phones could consider holding lengthy conversations on conventional phones and reserving the hand-held models for shorter conversations or for situations when other types of phones are not available.

People who must conduct extended conversations in their cars every day could switch to a type of mobile phone that places more distance between their bodies and the

source of the RF, since the exposure level drops off dramatically with distance. For example, they could switch to

- a mobile phone in which the antenna is located outside the vehicle,
- a hand-held phone with a built-in antenna connected to a different antenna mounted on the outside of the car or built into a separate package, or
- a headset with a remote antenna to a mobile phone carried at the waist.

Again, the scientific data do not demonstrate that mobile phones are harmful. But if people are concerned about the radiofrequency energy from these products, taking the simple precautions outlined above can reduce any possible risk.

Where can I find additional information?

For additional information, see the following websites:

Federal Communications Commission (FCC) RF Safety Program (select "Information on Human Exposure to RF Fields from Cellular and PCS Radio Transmitters"): http://www.fcc.gov/oet/rfsafety

World Health Organization (WHO) International Commission on Non-Ionizing Radiation Protection (select Qs & As): http://www.who.int/emf

United Kingdom, National Radiological Protection Board: http://www.nrpb.org.uk

Cellular Telecommunications Industry Association (CTIA): http://www.wow-com.com

U.S. Food and Drug Administration (FDA) Center for Devices and Radiological Health: http://www.fda.gov/cdrh/consumer/

[1] Muscat et al. Epidemiological Study of Cellular Telephone Use and Malignant Brain Tumors. In: State of the Science Symposium;1999 June 20; Long Beach, California.

[2] Tice et al. Tests of mobile phone signals for activity in genotoxicity and other laboratory assays. In: Annual Meeting of the Environmental Mutagen Society; March 29, 1999, Washington, D.C.; and personal communication, unpublished results.

[3] Preece, AW, Iwi, G, Davies-Smith, A, Wesnes, K, Butler, S, Lim, E, and Varey, A. Effect of a 915-MHz simulated mobile phone signal on cognitive function in man. Int. J. Radiat. Biol., April 8, 1999.

[4] Hardell, L, Nasman, A, Pahlson, A, Hallquist, A and Mild, KH. Use of cellular telephones and the risk for brain tumors: a case-control study. Int. J. Oncol., 15: 113-116, 1999.

Patent Information

This product is manufactured under one or more of the following U.S. patents:

4291475 4794489 4972355 5087004 5175874 5260170
4302845 4797929 4972432 5093632 5182749 5260988
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